Golden Valley Ranch Standard Drawings

I. Road Sections

- A. Typical Local Street
- B Typical Collector Street
- C Typical Entry Street
- D. Typical Minor Arterial Street Fronting Golf Course
- E. Typical Minor Arterial Street
- F Typical Minor Arterial Street with Median
- G Typical Loop Road #1 Street
- H Typical Loop Road #2 Street
- I Major Arterial
 - 1 Typical Major Arterial Street
 - 2. Typical Intermediate Major Arterial Street
- J. Typical 100' Right-of-Way Half Street
- K. Typical Alley Street

II. Wall and Fence Details

- A. Wrought Iron Fence
- B. Easement Detail/Removable Bollards
- C. CMU Block Retaining Wall Details
 - 1. Retaining/Screen Wall Detail
 - 2 Drain/Construction Joint Detail
- D. Concrete Retaining Walls

- 1 Types 1A & 1B Cantilever Concrete Retaining
- 2. Type 2 Cantilever Concrete Retaining Wall
- 3. Cantilever Concrete Retaining Wall Detail No. 1
- 4 Cantilever Concrete Retaining Wall Detail No. 2
- 5. Cantilever Concrete Retaining Wall Detail No.3

III Lot Details

- A Typical Lot Grading
- B Typical Lot Setbacks
- C. Rear Yard Sections at Perimeter Street/Boundary
- D Rear Yard Section with Scarp/at Golf Course
- E Side Yard Retaining/No Retaining
- F. Side Yard Corner Lots at Collector Retaining/No Retaining
- G Side Yard Corner Lots Retaining/No Retaining

IV Street Lights

- A. Street Light Conduit and Pole Locations
- B. Street Light Standards
- C Street Light Base Detail
- D Pull Box Details
- E. Pull Box Locations
- F. Single Meter Service Pedestal
- G Service Meter Pedestal Setback
- H. Service Pedestal Foundations

V. Curb and Sidewalk

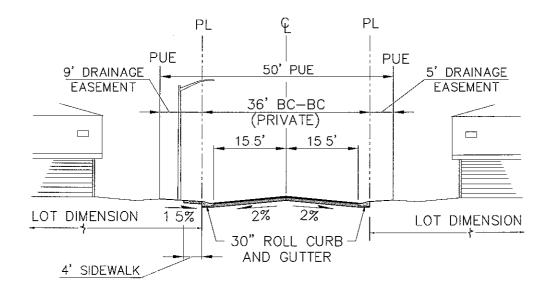
- A. Sidewalk Details
 - 1 Expansion/Contraction Joints

- 2. Driveways Residential/Commercial
- B Curb Cuts for Drainage
- C. Sidewalk Ramp Type D
- D Curb
 - 1. Vertical Curb (Type A)/24" Roll Curb (Type C & D)/Ribbon Curb
 - 2. 30" Roll Curb
 - 3. Transition from Vertical Curb (Type A) to Roll Curb
 - 4. Scuppers
- VI Valley Gutter
- VII. Storm Drain
 - A Modified Type "D" Drop Inlet in Sump/on Grade
 - B. Culvert Headwalls 17" x 13" CMAP to 83" x 57" CMAP
 - C. Culvert Headwalls 48" CMP to 72" CMP
 - D Estimate of Quantities Type 1 Headwall
 - E Metal End Sections 12" CMP to 84" CMP and 17" x 13" CMAP to 83" x 57" CMAP
 - F. RCP End Section 18" RCP to 54" RCP
 - G Method of Extending RCB Culverts
 - H. Culvert Headwalls 42" RCP to 72" RCP
 - I. Culvert Headwalls 23" x 14" Oval RCP to 60" x 38" Oval RCP
 - J. Culvert Headwalls 68" x 43" Oval RCP to 91" x 58" Oval RCP
 - K. Pre-cast Concrete Box Culvert
 - L RCB Culverts, General Notes
 - M. RCB Culverts Type I Headwalls
 - N. RCB Culverts Type II Headwalls (Sheet 1)
 - O. RCB Culverts Type II Headwalls (Sheet 2)

- P. Single RCB Culverts
- Q. Double RCB Culverts
- R. Additional Cell to be used with Double RCB Culverts to provide for Multiple Cell Culverts
- S. Toe Protection
- I Conduit Outlet Erosion Protection

VIII. Utilities

- A. Utility Locations
 - 1 Typical Water and Sanitary Sewer Main Line Section
 - 2. Typical Underground Utility Locations in Residential Street
 - 3. Typical Water and Sanitary Sewer Laterals
 - 4 Typical Fire Hydrant Locations
- B. Pre-cast Concrete Sewer Manhole
- C. Water Service Installation 5/8", 3/4", 1" Meter Sizes Unimproved Area



TYPICAL LOCAL STREET SECTION (PRIVATE) NOT TO SCALE

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL TO PL TO BE MAINTAINED BY MASTER HOMEOWNER ASSOCIATION

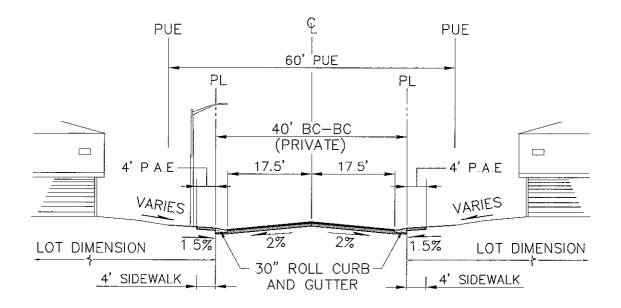
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FIGURE I-A



TYPICAL COLLECTOR STREET SECTION (PRIVATE) NOT TO SCALE

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL TO PL TO BE MAINTAINED BY MASTER HOMEOWNER ASSOCIATION

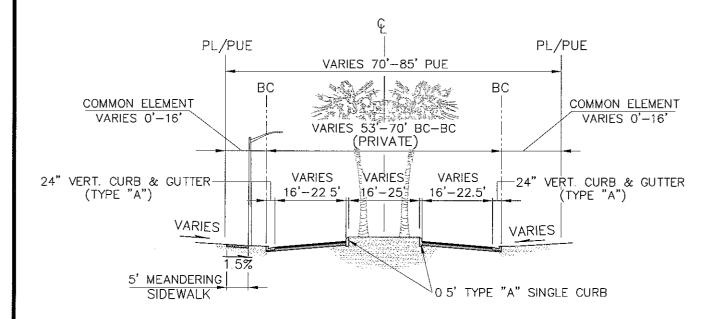
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FIGURE I-B



TYPICAL ENTRY STREET SECTION (PRIVATE) NOT TO SCALE

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL TO PL TO BE MAINTAINED BY MASTER HOMEOWNER ASSOCIATION

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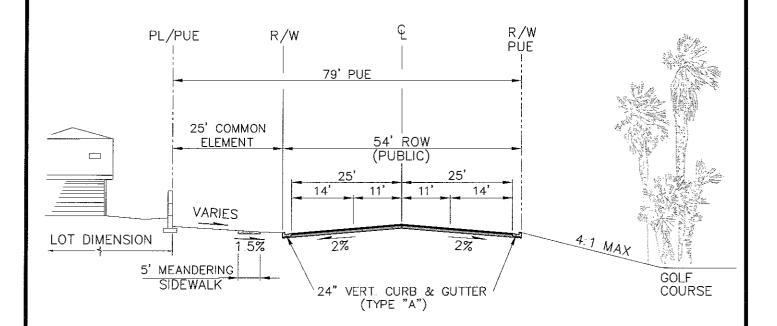


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FIGURE I-C

DATE: 20 DEC 2005



TYPICAL MINOR ARTERIAL STREET SECTION FRONTING GOLF COURSE (PUBLIC) NOT TO SCALE

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL TO PL TO BE MAINTAINED BY MASTER HOMEOWNER ASSOCIATION

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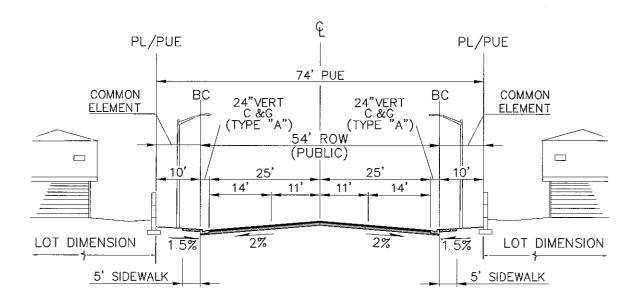


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FIGURE I-D

DATE: 20 DEC 2005



TYPICAL MINOR ARTERIAL STREET SECTION (PUBLIC) NOT TO SCALE

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL TO PL TO BE MAINTAINED BY MASTER HOMEOWNER ASSOCIATION

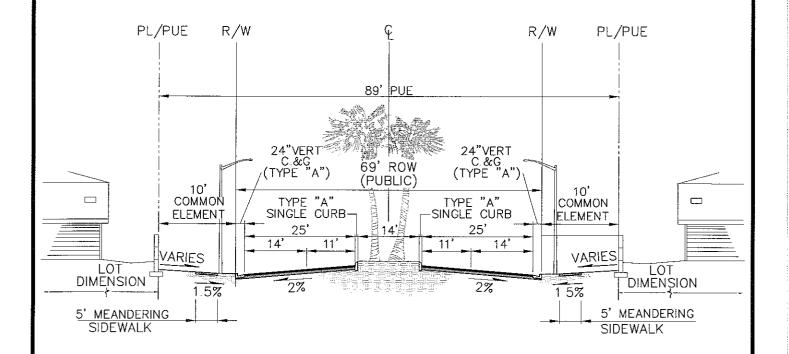
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FIGURE I-E



TYPICAL MINOR ARTERIAL STREET SECTION WITH MEDIAN (PUBLIC) NOT TO SCALE

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL TO PL TO BE MAINTAINED BY MASTER HOMEOWNER ASSOCIATION

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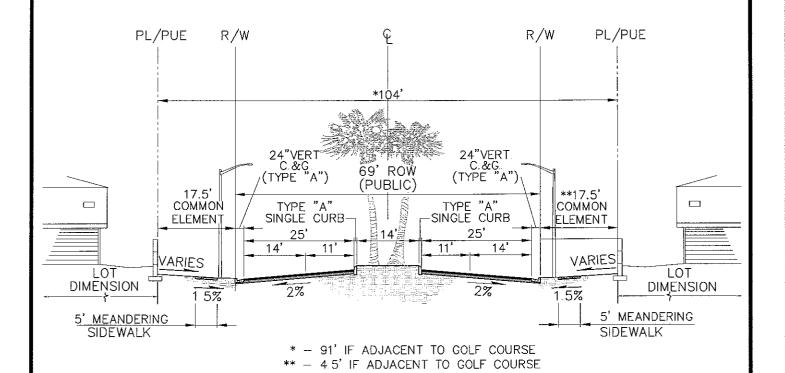


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FIGURE 1-F

DATE: 20 DEC 2005



TYPICAL LOOP RD. #1 STREET SECTION (PUBLIC) NOT TO SCALE

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL TO PL TO BE MAINTAINED BY MASTER HOMEOWNER ASSOCIATION

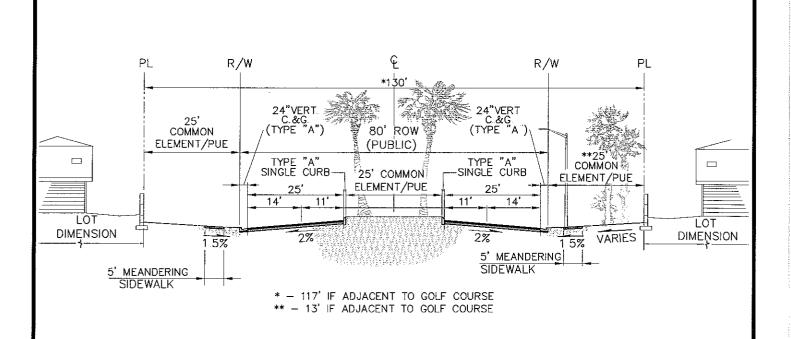
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FIGURE I-G



TYPICAL LOOP RD. #2 STREET SECTION
(PUBLIC) NOT TO SCALE

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL TO PL TO BE MAINTAINED BY MASTER HOMEOWNER ASSOCIATION

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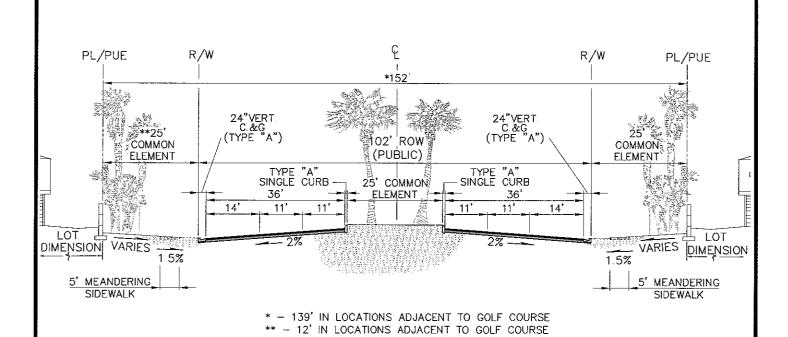


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FIGURE I-H

DATE: 20 DEC 2005



TYPICAL MAJOR ARTERIAL STREET SECTION

NORTH OF GOLF COURSE FROM ROUND-A-BOUT TO SHINARUMP

NOT TO SCALE (PUBLIC)

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL TO PL TO BE MAINTAINED BY MASTER HOMEOWNER ASSOCIATION

RHODES HOMES ARIZONA, LLC **GOLDEN VALLEY RANCH**

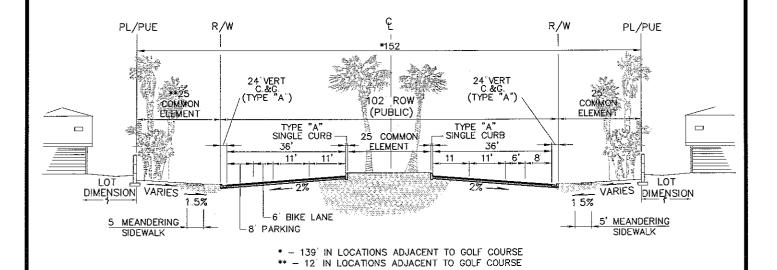


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FIGURE 1-1-1

DATE: 20 DEC 2005



TYPICAL INTERMEDIATE MAJOR ARTERIAL STREET SECTION NOT TO SCALE (PUBLIC)

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL TO PL TO BE MAINTAINED BY MASTER HOMEOWNER ASSOCIATION

RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

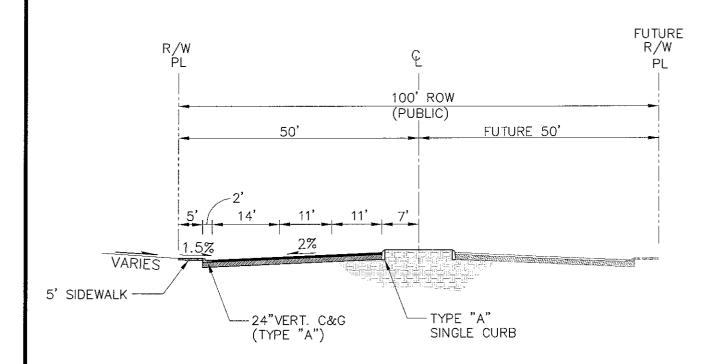


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FIGURE I-I-2

DATE: 20 DEC 2005



TYPICAL 100' RIGHT-OF-WAY HALF STREET SECTION

NOT TO SCALE

(PUBLIC)
SECTION LINE ROADWAYS

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL TO PL TO BE MAINTAINED BY MASTER HOMEOWNER ASSOCIATION

RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

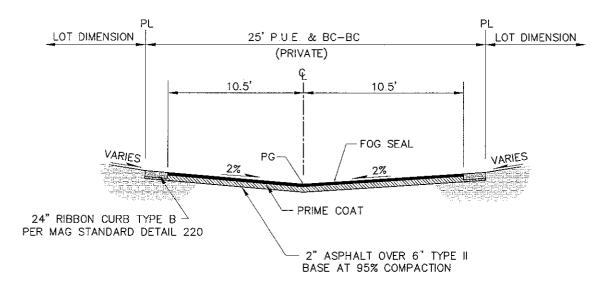


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FIGURE I-J

DATE: 20 DEC 2005



NOTE: FINAL PAVEMENT SECTIONS TO BE BASED ON ADDITIONAL R-VALUE TESTS PERFORMED DURING CONSTRUCTION OF THE ACTUAL SUBGRADE MATERIALS AND TRAFFIC INFORMATION.

TYPICAL ALLEY STREET SECTION (PRIVATE) NOT TO SCALE

NOTE: ALL LANDSCAPING/WALKWAYS FROM PL TO PL TO BE MAINTAINED BY MASTER HOMEOWNER ASSOCIATION

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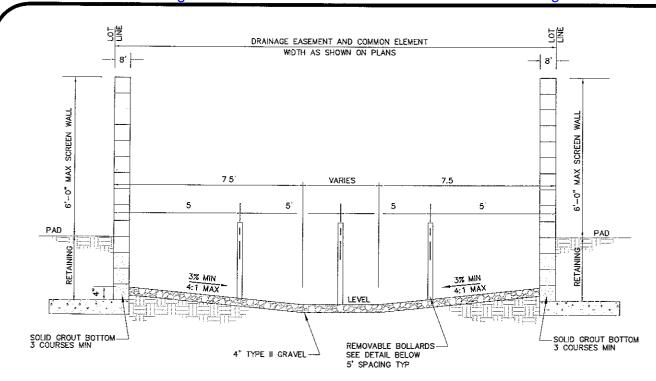


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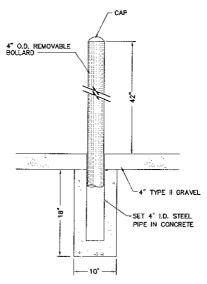
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FIGURE I-K

DATE: 20 DEC 2005



DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED



REMOVABLE BOLLARD DETAIL

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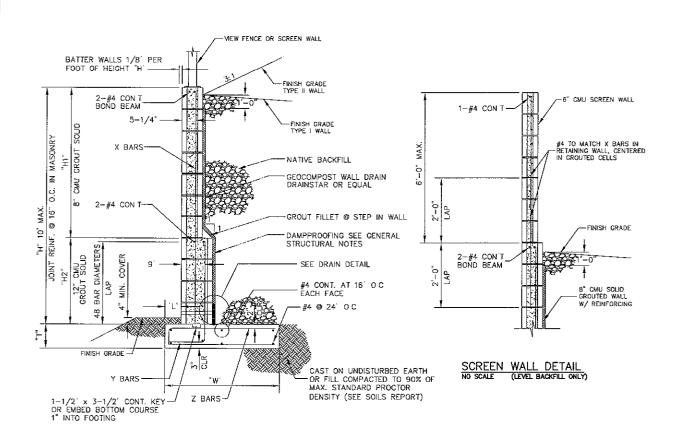


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FIGURE II-B

DATE: 20 DEC 2005



			TYPE	I DIMEN	SIONS -	LEVEL BACKFI	LL	
Н	H1	H2	W	T	L	X BARS	Y BARS	Z BARS
			WALLS	NOT REC	UIRING	SPECIAL INSPEC	TION	
2'-D	2'-0"	_	2'-6"	12"	5	#4 @ 48**	#4 @ 48"**	#4 @ 24"
2-8	2 -B	-	2'-6"	12"	9"	#4 @ 48**	#4 @ 48 **	#4 Ø 24"
3'-4"	3 -4"	-	2'-6"	12*	9*	#4 @ 48"*	#4 @ 48"**	#4 @ 24
4'-0"	4'-0"		2 -9"	12	9"	#4 @ 48"	#5 @ 24"**	#4 @ 24"
4'-8"	4'-8"	_	3'-3"	12"	9"	#4 @ 48"	#5 @ 24"**	#4 @ 24"
5 -4"	5'-4"	_	3'-6"	12"	9"	#4 @ 48"	#5 @ 16"**	#4 @ 16"
			WALL	S REQUI	RING SPE	CIAL INSPECTION	ÖN	
6 -0°	3'4"	2'-8"	3'-9"	12"	9"	#5 @ 48	#5 @ 24"	#5 @ 24"
6"-8"	4-0	2-8	4'-3"	12"	9"	#5 @ 48	#5 @ 24"	#5 to 24"
7'4"	4 -8	2 -8"	4-6'	12"	9"	#5 @ 48"	#5 Ø 24"	#5 0 24"
8'-0"	5'-4"	2 -8"	4'-9"	14	9"	#5 @ 24"	#5 @ 8"	#5 @ 16"
8-8"	60,	2 -8	5'-3*	14	9"	#5 @ 8"	#5 @ 8°	#5 @ 16"
9'4"	5'-0"	3 -4*	5 -6"	14"	9*	#6 @ 32"	#6 © 16"	#5 @ 16"
10'-0"	6'-B"	3'-4"	5'-9"	16"	9"	#6 @ 24"	#6 © 16"	#6 @ 16"

^{*} FOR THIS HEIGHT WALL THE X BARS WAY BE ELIMINATED BY EXTENDING THE Y BARS TO THE TOP OF THE WALL

^{**} WHEN 'H2" DOES NOT EXIST LOCATE THE Y BARS IN THE SAME POSITION AS THE X BARS. EXTEND THE Y BARS INTO THE MASONRY WALL 2'-0" MINIMUM FOR A #4 BAR 2-6" MINIMUM FOR A #5 BAR AND 3'-0" FOR A #5 BAR

			TYPE II [IMENSIO	NS - 3:	1 SLOPING BA	CKFILL	
Н	H1	H2	W	T	L	X BARS	Y BARS	Z BARS
			WALLS	NOT REC	UIRING !	SPECIAL INSPEC	TION	
2'-0"	2'-0"	-	2'-0"	12"	ο"	#4 to 48"*	#4 @ 48***	#1 © 21"
2'-8"	2'-8"	ı	2 -3"	12"	9"	#4 ₽ 48"*	#4 @ 48***	#4 @ 24"
3'-4"	3'-4"	-	2'-6"	12"	9"	#4 @ 48"*	#4 @ 48"**	#4 @ 24"
4 -0"	4'~0"	-	2'-9"	12	9"	#4 @ 48"	#4 @ 24"**	#4 @ 24"
4 -8'	4 - 8 ^{al}	-	3-6"	12*"	9"	#4 @ 48"	#4 @ 24***	#4 © 24"
5'-4"	5'-4"	-	4'-6"	12*	9"	#4 @ 4B"	#4 @ 24"**	#4 @ 16
			WALL	S REQUI	RING SPI	CIAL INSPECTO	ON	
6'-0"	3-4"	2 -8"	5 -3"	12*	9"	#4 @ 40"	#4 @ 24"	#5 © 24
6'-8"	4'-0"	2'-8"	6'-3"	12"	9"	#4 @ 24"	#4 @ 16"	#5 @ 16"
7'-4"	4'-8"	2'-8"	7'-0"	12"	9"	#4 @ 16"	#5 @ 8"	#5 @ 8"
B-0"	5-4	2'-8'	7 -6'	15"	9.	#4 @ 8"	#5 69 8	#5 @ 8'
8'-8"	6,-0,	2 -8"	8 –3	18"	9	#5 @ 8*	#5 © 8"	#5 9 8"
9'-4"	6'-D"	3'-4"	9'-0"	18"	9"	#5 @ 8"	#6 @ 8°	#5 9 8"
10'-0"	6'-8"	4'-0"	9'-6"	21"	9"	#6 @ 8'.	#6 © 8°	#5 © 8"

 $^{^{\}bullet}$ for this height wall the x bars may be eliminated by extending the y bars to the top of the wall

RETAINING WALL & SCHEDULE

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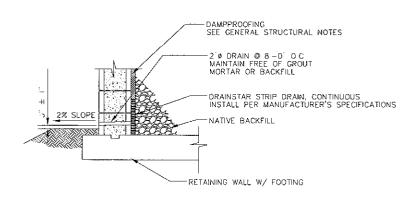
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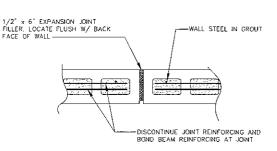
FIGURE II-C-1

DATE: 20 DEC 2005 REV:

ST-RH036247

^{**} WHEN 'H2" DOES NOT EXIST LOCATE THE Y BARS IN THE SAME POSITION AS THE X BARS. EXTEND THE Y BARS INTO THE MASONRY WALL 2'-0" MINIMUM FOR A #4 BAR 2-6" MINIMUM FOR A #5 BAR AND 3'-0" FOR A #6 BAR





CONSTRUCTION JOINT DETAIL

GENERAL STRUCTURAL NOTES:

DRAIN DETAIL

- 1 REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60
- 2 CONCRETE SHALL HAVE MINIMUM STRENGTH OF 3500 psi AT 28 DAYS USING TYPE V CEMENT PER ASTM C150. (DESIGN BASED ON fc=2500 psi NO SPECIAL INSPECTION REQUIRED)
- 3 MASONRY UNITS SHALL BE ASIM G90. GRADE N=1 HOLLOW CONCRETE UNITS. MASONRY DESIGN STRESS IS AS FOLLOWS: 8° CMU fm=1500 psi, 12° CMU fm = 1900 psi, FULL STRESSES ARE USED WHERE SPECIAL INSPECTION IS SPECIAL INSPECTION SHALL BE PER THE 1997 UBC SECTION 1701
- 4 MORTAR SHALL BE ASTM C270 TYPE "M' OR "S' WITH MINIMUM STRENGTH OF 1800 psi AT 28 DAYS USING TYPE V CEMENT PER ASTM C1500
- 5. GROUT SHALL BE PER ASTM C476 WITH A MINIMUM STRENGTH OF 2000 psi AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150
- 6 HORIZONTAL JOINT REINFORCING SHALL BE 9-GA. LADDER TYPE PER UBC STD 21-10 WITH LAP SPLICES OF 12* MINIMUM INCLUDING CORNERS AND INTERSECTIONS
- 7 UNLESS OTHERWISE NOTED. ALL CONSTRUCTION SHALL CONFORM TO THE UNIFORM BUILDING CODE, LATEST EDITION, AND PER STANDARD SPECIFICATIONS FOR THE CITY OF HENDERSON, NEVADA BUILDING DEPARTMENT
- 8 ALL WALLS ARE SUBJECT TO APPROVAL BY THE CITY OF HENDERSON NEVADA. BUILDING DEFARTMENT
- 9 SOLID CROUT ALL MASONRY UNITS THAT ARE AT OR BELOW FINISH GRADE
- 10 ALL CORNERS OR ANGLES SHALL BE TIED TOGETHER WITH REINFORCING STEEL AND GROUTED SOLID.
- 11 WHERE VERTICAL GROUT POURS ARE NOT CONTINUOUS FOR THE ENTIRE HEIGHT OF THE WALL, TERMINATE LIFT 1 1/2" BELOW TOP OF TOP BLOCK TO FORM A KEY FOR FUTURE LIFTS
- 12 LOCATE CONTROL JOINTS IN RETAINING WALL AT A MAXIMUM SPACING OF 24'-0'
- 13 BOND BEAMS AND JOINT REINFORCING SHALL NOT BE CONTINUOUS THROUGH WALL CONSTRUCTION JOINTS

- 14 WALLS SHALL BE STEFFED ONLY AS SHOWN ON THE PLANS
- 15. IF ACTUAL HEIGHT OF WALL IS NOT LISTED IN TABLE USE STEEL AND DIMENSIONS FOR NEXT HIGHEST WALL LISTED
- 16 DAMPPROOFING. DAMPPROOFING SHALL BE AS FOLLOWS.
 - A. APPLY WATCHDOG WATERPROOFING MEMBRANE, AS MANUFACTURED BY KOCH MATERIALS COMPANY, OVER SOIL SIDE OF RETAINING WALL APPLICATION OF THE WATCHDOG WATERPROOFING MEMBRANE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS
 - B. INSTALL A 24-MIL DIMPLED HDPE MEMBRANE OVER KOCH WATCHDOG MEMBRANE. PROVIDE DELTA-MS AS MANUFACTURED BY COSELLA DORKEN APPLICATION OF THE DELTA-MS SYSTEM SHALL BE IN ACCORPOANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS DETAILS AND MATERIALS.
- 17 BACKFILL BEHIND WALLS SHALL BE COMPACTED TO 90% OF STANDARD PROCTOR DENSITY
- 18. WHERE RETAINING WALLS ARE SHOWN ON PERIMETER STREETS. USE DECORATIVE BLOCK TO MATCH THOSE OF THE PERIMETER WALLS.
- 19 SOILS REPORT FREPARED BY KLEINFELDER INC PROJECT No 21158 DATED OCT 03 2002

ALLOWABLE SOILS BEARING PRESSURE = 2500 psf FOR 12' WIDE FOOTING PLUS 800 psf FOR EACH ADDITIONAL FOOT OF WIDTH OF FOOTING 5000 psf MAXIMUM.

SOIL ACTIVE PRESSURE = 35 psf/ft (LEVEL)
SOIL PASSUP PRESSURE = 300 psf/ft
COEFFICIENT OF FRICTION = 0 40

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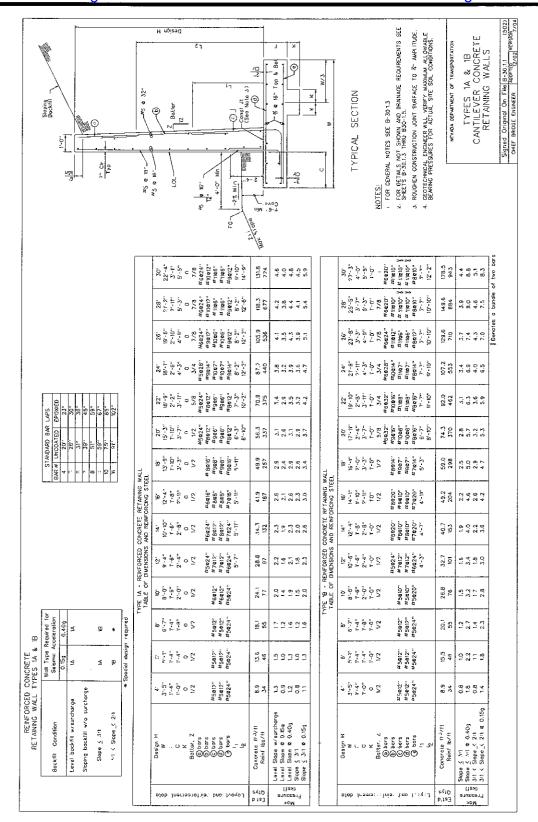


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FIGURE II-C-2

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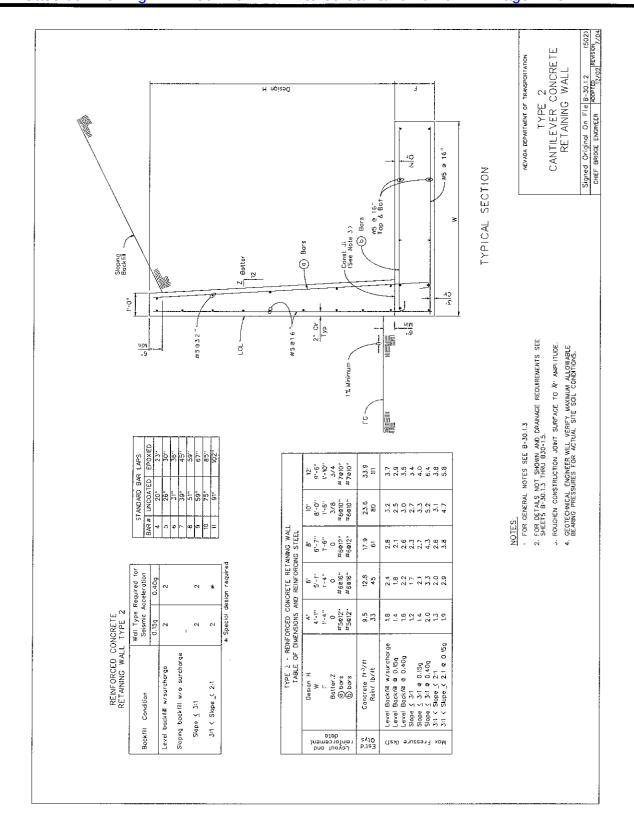




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FIGURE II-D-1

DATE: 20 DEC 2005



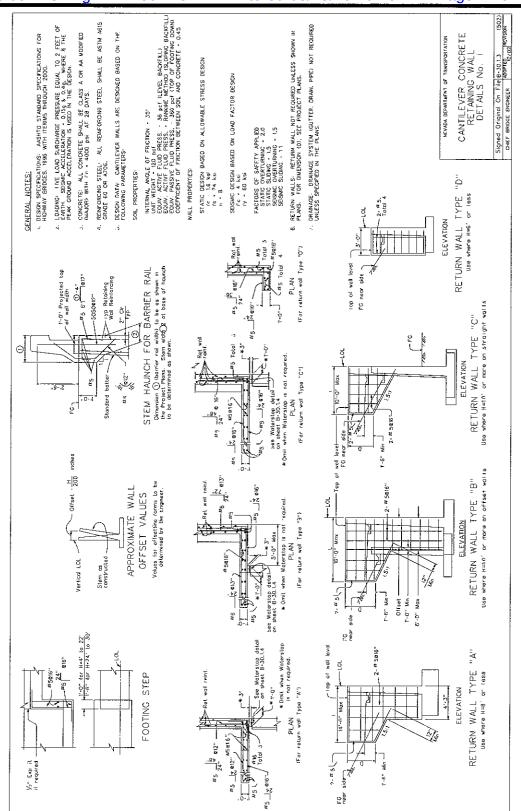


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SCALE: NOT TO SCALE

FIGURE II-D-2

20 DEC 2005 DATE:



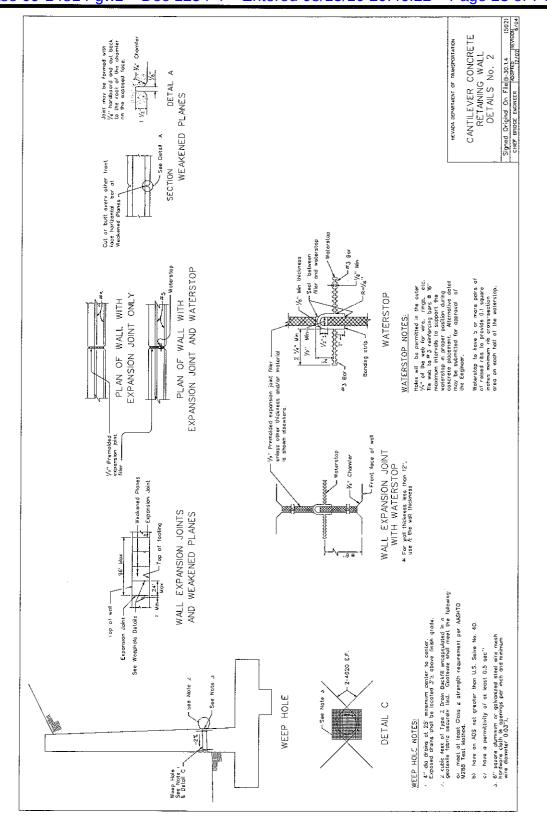


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SCALE: NOT TO SCALE

FIGURE II-D-3

DATE: 20 DEC 2005



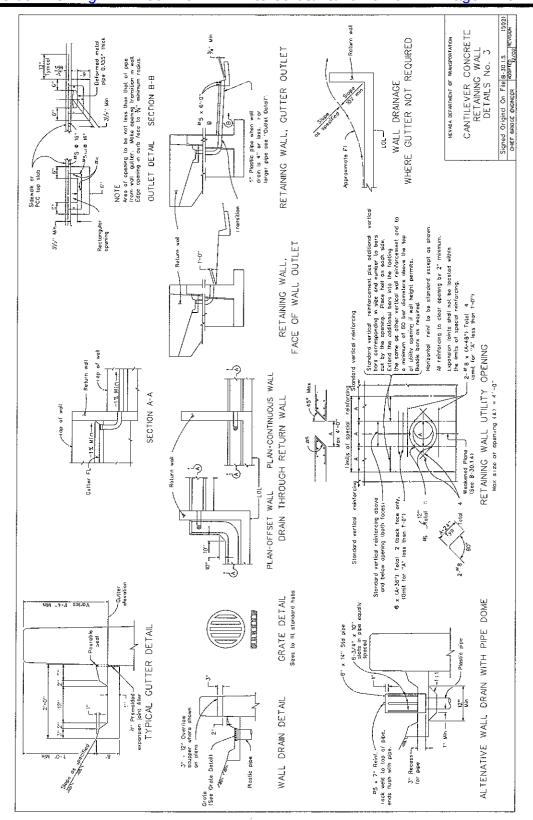


Stanley Consultants INC.5820 S. EASTERN AVENUE, SUITE 200
LAS VEGAS NEVADA 89119
(702) 369-9396 Fax (702) 369-9793

SCALE: NOT TO SCALE

FIGURE II-D-4

DATE: 20 DEC 2005



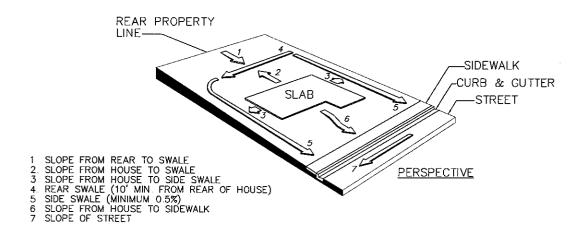


Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793

SCALE: NOT TO SCALE

FIGURE II-D-5

20 DEC 2005 DATE:



TYPICAL LOT GRADING

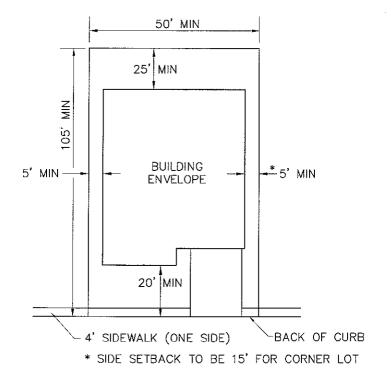
RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH



Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS. NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE III-A



TYPICAL SETBACKS FOR ALL LOTS

NTS

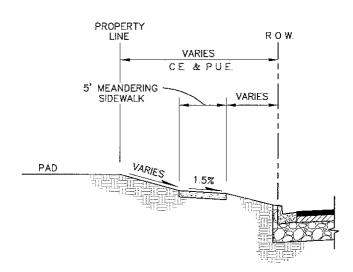
RHODES HOMES ARIZONA, LLC **GOLDEN VALLEY RANCH**



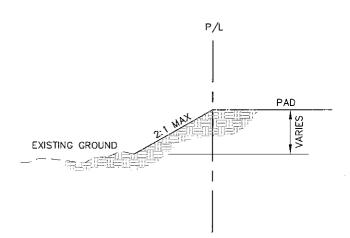
Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE III-B

DATE: 20 DEC 2005



REAR YARD SECTION AT PERIMETER STREET N.T.S.



REAR YARD SECTION AT PERIMETER
BOUNDARY

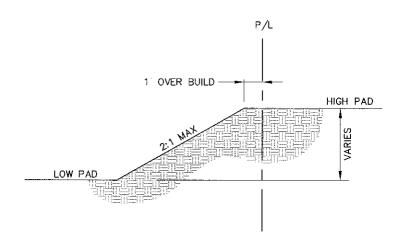
RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH



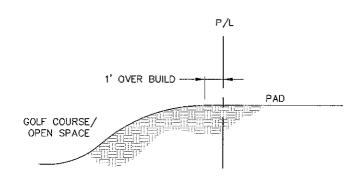
Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. ĒASTERN AVENUE, SUITE 200 LAS VEGAS. NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE III-C



REAR YARD SECTION WITH SCARP



REAR YARD SECTION AT GOLF COURSE / OPEN SPACE N T.S.

RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

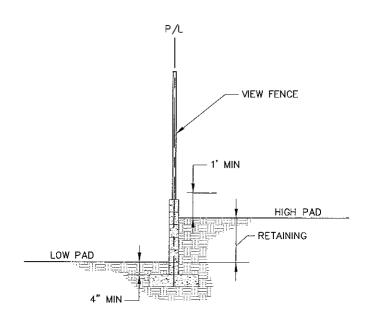


Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

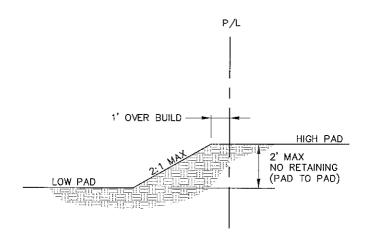
5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369—9396 Fax (702) 369—9793 SCALE: NOT TO SCALE

FIGURE III-D

DATE: 20 DEC 2005



REAR / SIDE YARD SECTION WITH RETAINING



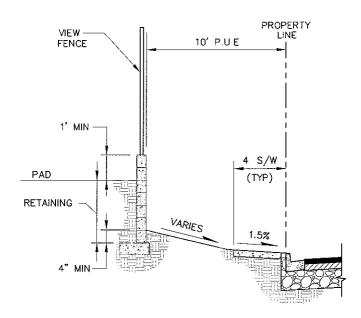
SIDE YARD SECTION - NO RETAINING

RHODES HOMES ARIZONA, LLC **GOLDEN VALLEY RANCH**

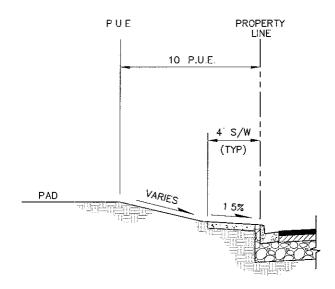


Stanley Consultants INC. 5820 S EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE III-E



SIDE YARD CORNER LOT SECTION AT COLLECTOR WITH RETAINING



SIDE YARD CORNER LOT SECTION AT COLLECTOR - NO RETAINING

RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

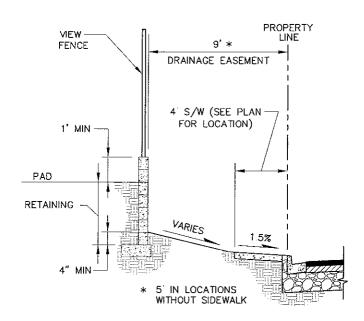


Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

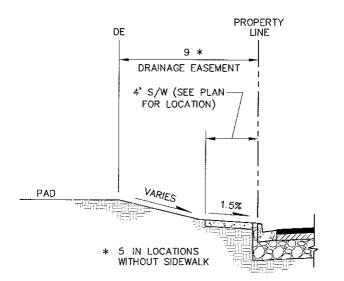
5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS. NEVADA 89119 (702) 369–9396 Fax (702) 369–9793 SCALE: NOT TO SCALE

FIGURE III-F

DATE: 20 DEC 2005



SIDE YARD CORNER LOT SECTION WITH RETAINING N T S.



SIDE YARD CORNER LOT SECTION NO RETAINING

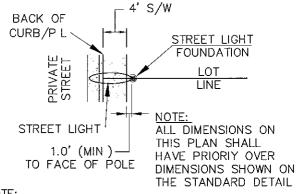
RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH



Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. ĒASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369—9396 Fax (702) 369—9793 SCALE: NOT TO SCALE

FIGURE III-G



NOTE: IN LOCATIONS WHERE LIGHT POLE IS NOT ADJACENT TO A SIDEWALK, FACE OF POLE TO BE 3' FROM BACK OF CURB

STREETLIGHT LOCATION

RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

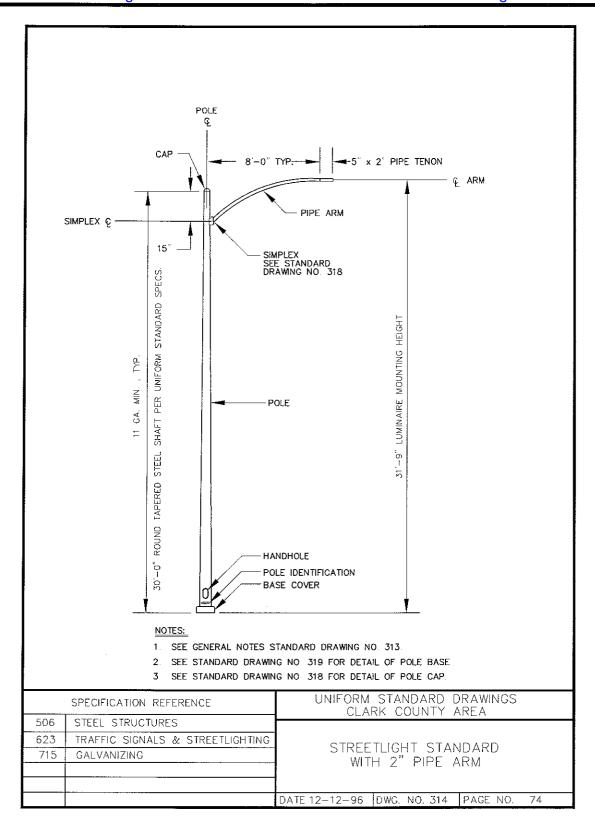


Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369—9396 Fax (702) 369—9793 SCALE: NOT TO SCALE

FIGURE IV-A

DATE: 20 DEC 2005

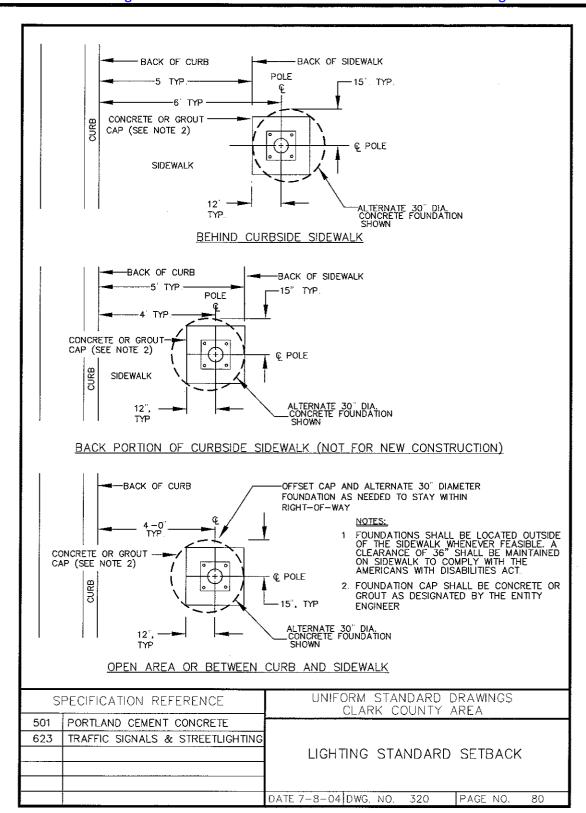




Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369—9396 Fax (702) 369—9793 SCALE: NOT TO SCALE

FIGURE IV-B

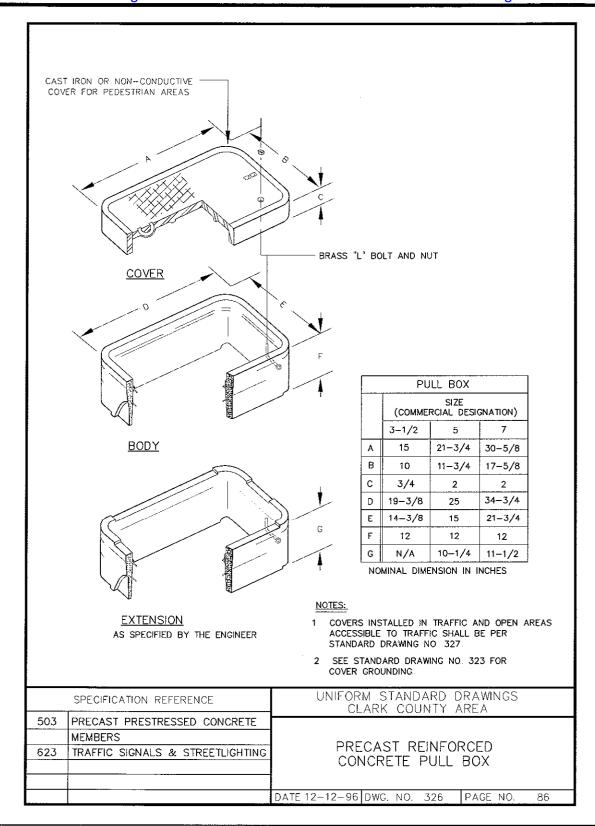




Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE IV-C



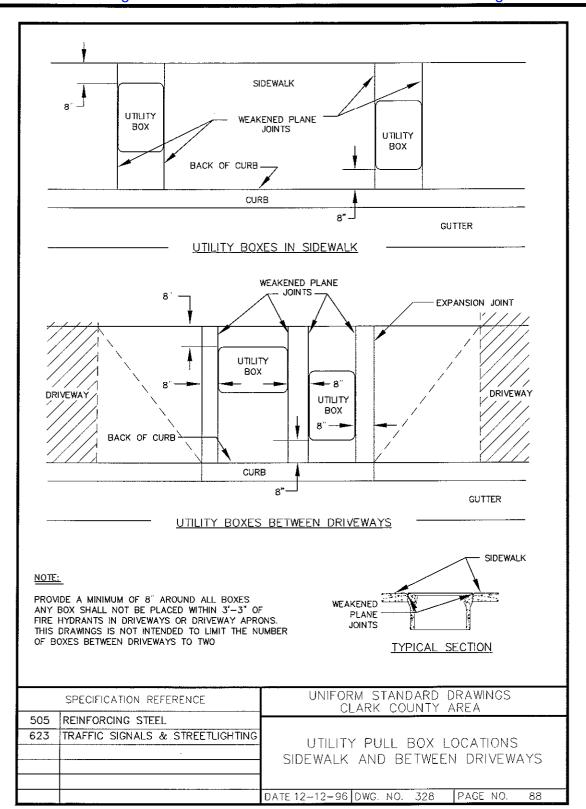


Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE IV-D

DATE: 20 DEC 2005





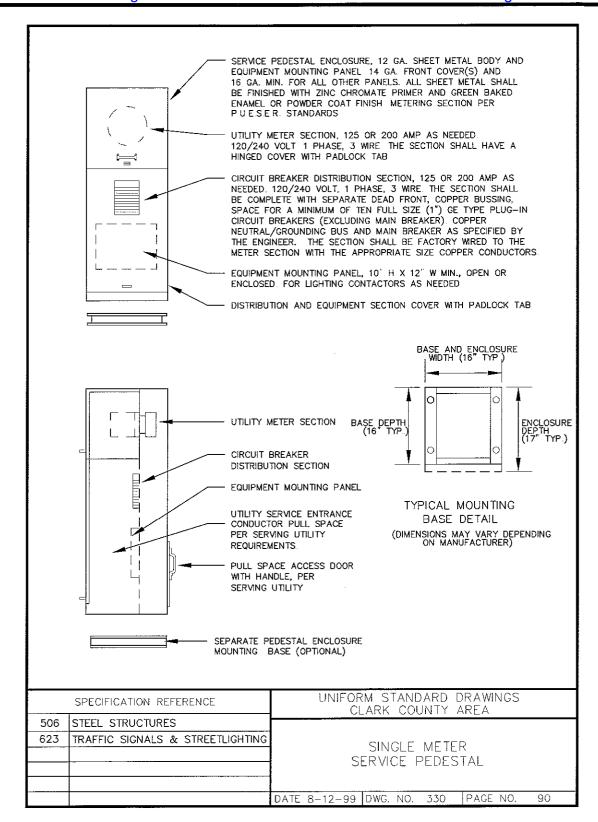
Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE IV-E

DATE: 20 DEC 2005 REV:

ST-RH036265



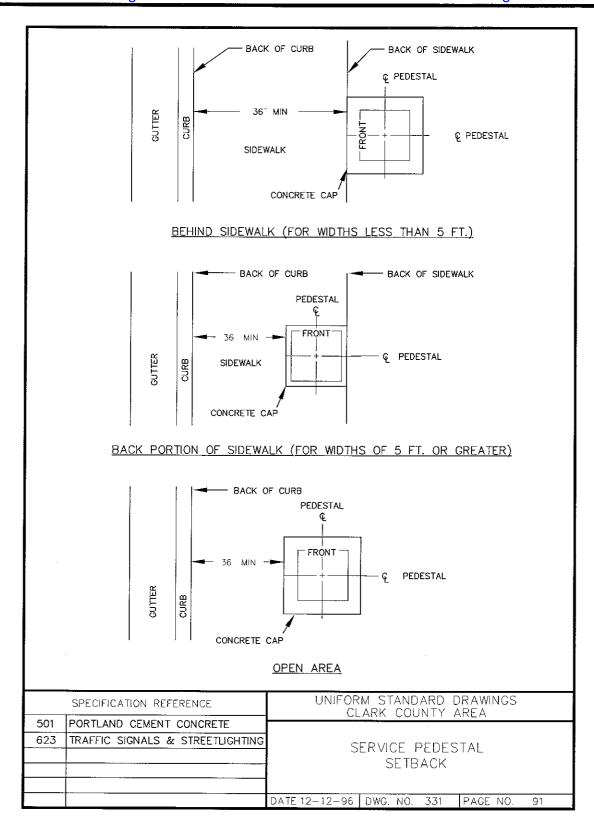


Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS. NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE IV-F

DATE: 20 DEC 2005

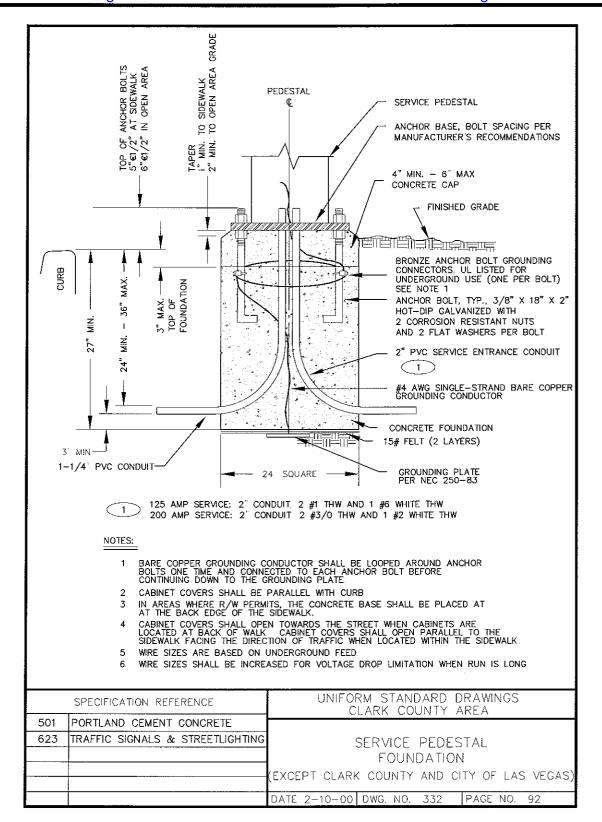




Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE IV-G



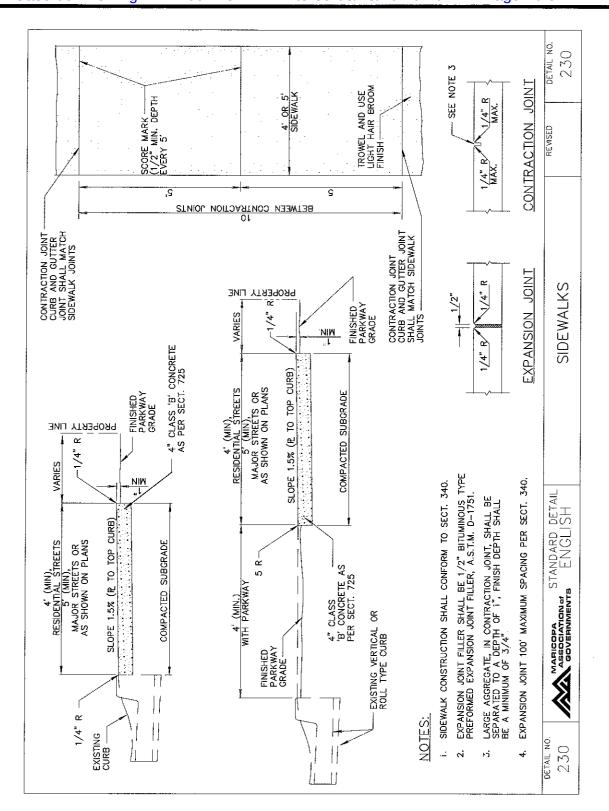


Stanley Consultants INC.

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE IV-H

DATE: 20 DEC 2005

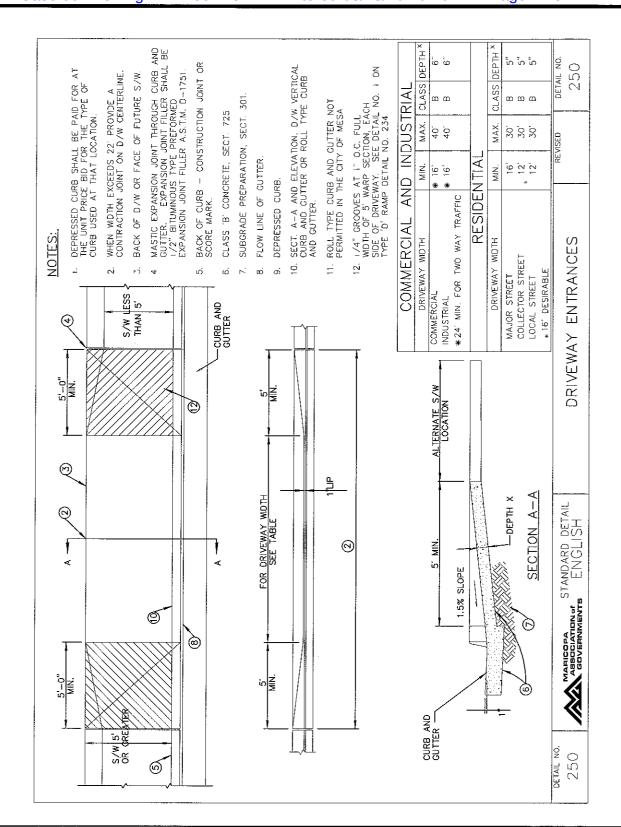




Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

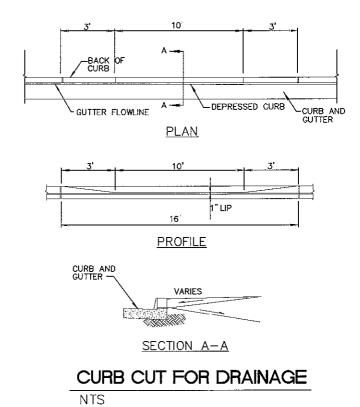
FIGURE V-A-1





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5820 S. EASTERN AVENUE, SUITE 200
LAS VEGAS NEVADA 89119
(733) 733 0733 F. (733) 749 073 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE V-A-2



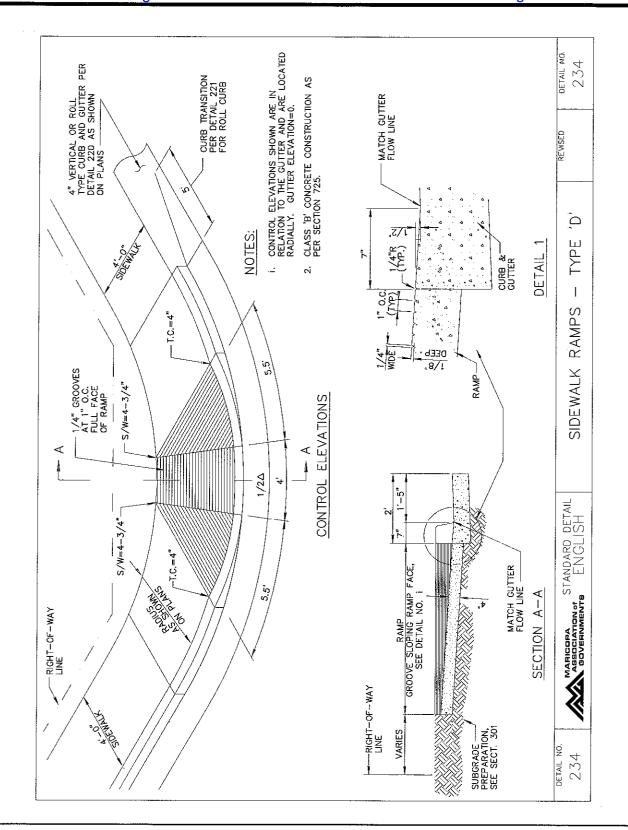


Stanley Consultants inc. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. ÉASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE V-B

DATE: 20 DEC 2005



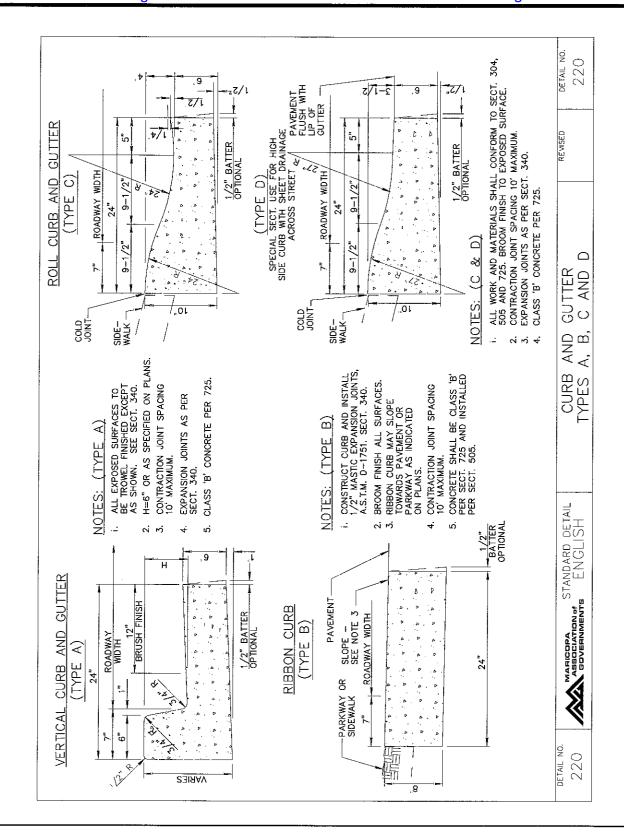


Stanley Consultants inc.5820 S. EASTERN AVENUE, SUITE 200
LAS VEGAS NEVADA 89119
(702) 369-9396 Fax (702) 369-9793

SCALE: NOT TO SCALE

FIGURE V-C

20 DEC 2005 DATE: REV:



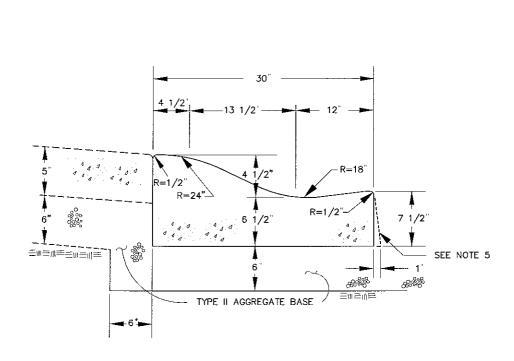


Stanley Consultants INC.5820 S. EASTERN AVENUE, SUITE 200
LAS VEGAS NEVADA 89119
(702) 369-9396 Fax (702) 369-9793

SCALE: NOT TO SCALE

FIGURE V-D-1

20 DEC 2005 DATE: REV:



NOTES:

- 1. USE OF ROLL CURB MAY BE RESTRICTED BY SURFACE DRAINAGE CONSIDERATIONS.
- 2 SIDEWALK CONSTRUCTED CONTIGUOUS TO ROLL CURB SHALL BE 5 INCHES THICK (MIN)
- 3 WHERE LONGITUDINAL SLOPE IS LESS THAN 0.4% THE FLOW LINE SHALL BE WATER TESTED.
- 4 CONSTRUCT 1/2" EXPANSION JOINT AT ALL COLD JOINTS, AT BEGINNING AND END OF CURB RETURNS.
 AND AT 300 FT. MAX. INTERVALS FOR EXTRUDED CURB AND 30 FT MAX. INTERVALS FOR FORMED CURB.
 WEAKENED PLANE JOINTS SHALL BE FORMED AT THE REMAINING 15 FT INTERVALS. SEE STD. DWG.
 NO. 234 FOR JOINT DETAILS
- 5. ONE INCH BATTER AT CURB FACE IS OPTIONAL.
- 6 CITY OF LAS VEGAS COUNCIL APPROVAL REQUIRED FOR USE OF 30" ROLL CURB IN THE CITY OF LAS VEGAS.
- 7. IN NORTH LAS VEGAS, ROLL CURBS ARE PROHIBITED IN AREAS WHERE FLOW LINE GRADIENT IS LESS THAN 0.8% UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
- 8 ALL UTILITY BOXES AND COVERS ADJACENT TO ROLL CURB SHALL BE HS-20 RATED 'TRAFFIC BEARING' TYPE

	SPECIFICATION REFERENCE	UNI	FORM STANDARD D CLARK COUNTY A	
320	AGGREGATE BASE	CLARK COL	INTY LAS VEGAS , I	NORTH LAS VEGAS
501	CONCRETE	02711111 000	AND HENDERSON	
502	CONCRETE STRUCTURES		30" ROLL CU	IDD
707	JOINT MATERIAL		RESIDENTIAL A	
		DATE 11-10-04	DWG NO 217A	PAGE NO 23A

RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

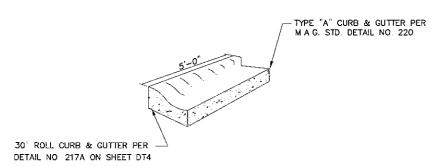


Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369—9396 Fax (702) 369—9793 SCALE: NOT TO SCALE

FIGURE V-D-2

DATE: 20 DEC 2005



TRANSITION FROM TYPE "A" CURB TO ROLL CURB AND GUTTER NTS

RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

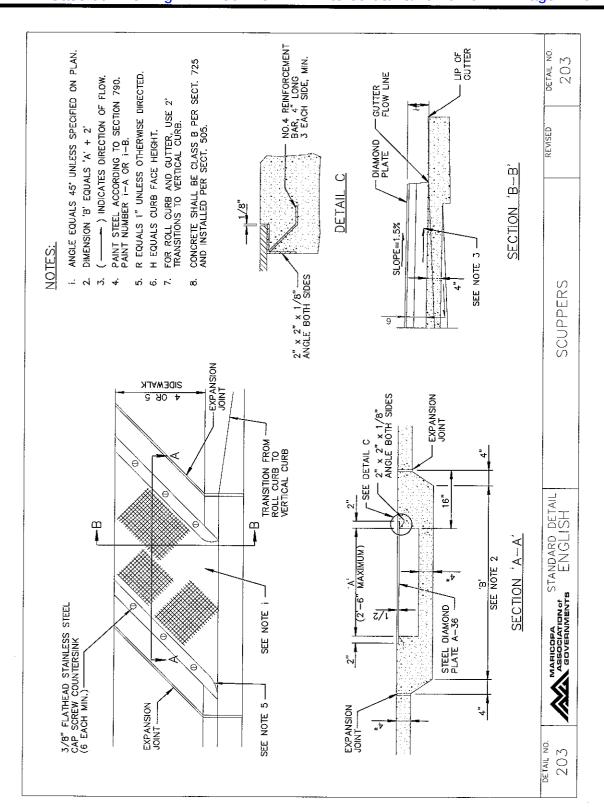


Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE V-D-3

DATE: 20 DEC 2005

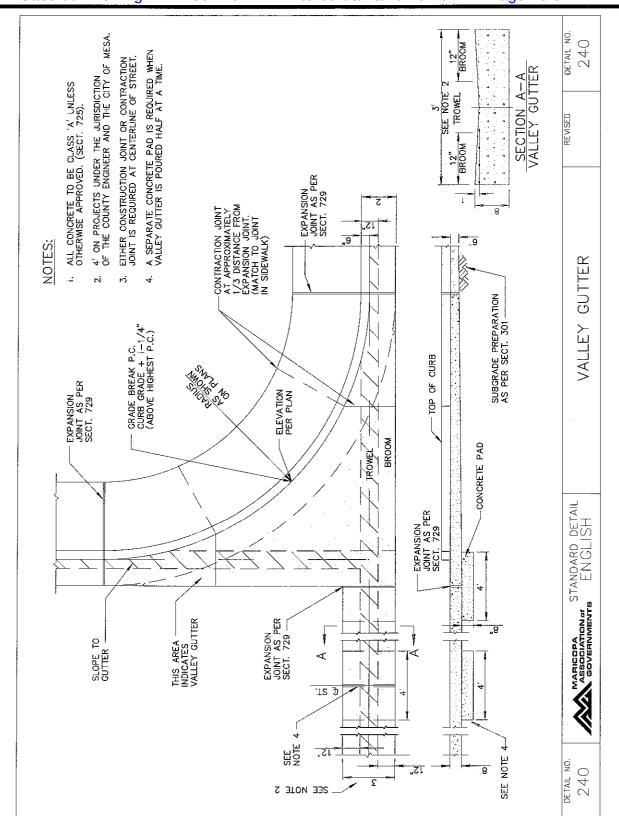




Stanley Consultants INC.
5820 S. EASTERN AVENUE, SUITE 200
LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE V-D-4

20 DEC 2005 DATE:



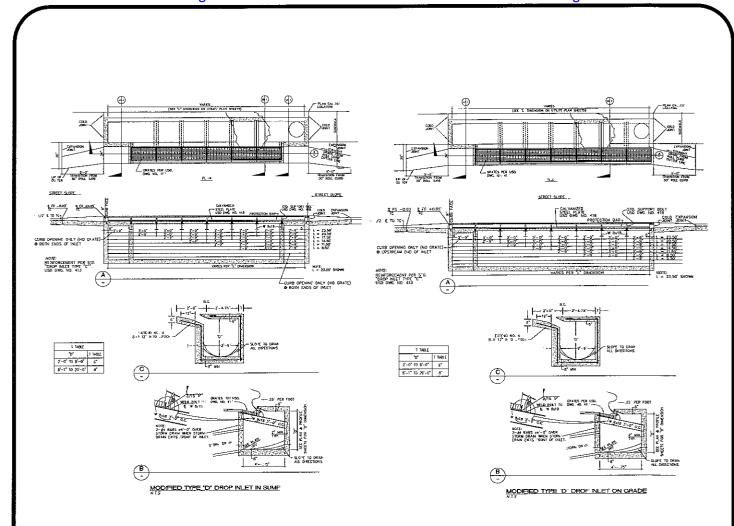


Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE VI

DATE: 20 DEC 2005



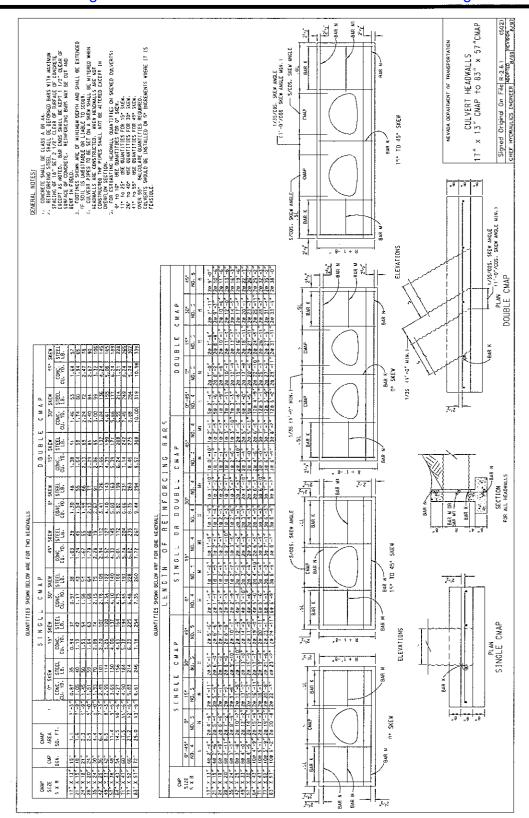


Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. ĒASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE VII-A

DATE: 20 DEC 2005



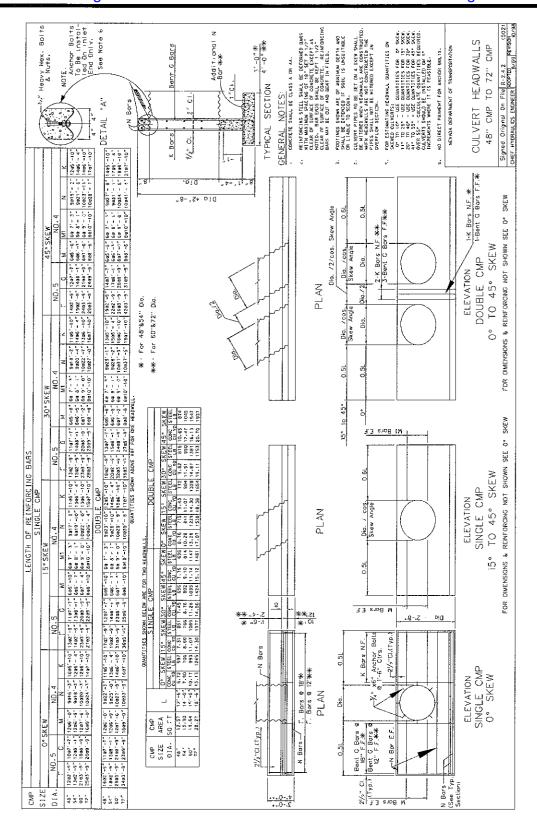


Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. ĒASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369—9396 Fax (702) 369—9793 SCALE: NOT TO SCALE

FIGURE VII-B

DATE: 20 DEC 2005





Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369—9396 Fax (702) 369—9793 SCALE: NOT TO SCALE

FIGURE VII-C

DATE: 20 DEC 2005

15 15 15 15 15 15 15 15	SEGN 15 SEGN SE	No.	No.		NA92 E16H		4	-	۲.	U.	·	4.		و	~	,	۲.	÷	.,	,	,-	۲.	ż	.ء	-	t:		ę.	7	.,	~	63	:-	0	٠.		.:	- 21	_ {	t.	10
STANCE BOX STA		Fig. Steek 20	S NOCE BOX		0.8	5 -	_	5,6	7,6	9,6	6.0	6.7	9.9	12.4	15.3	6.3	6.3	10.3	12.8	15.6	6.7	9.6	10.6	13.1	16.0	17.9	7.3	2.5	11.3	13.8	16.6	18.6	23.2	29.5	0.0	12.0	ŗ.	17.3	13.3	23.9	30.2
SINCE BOX SINCE BOX SINCE SINCE SINCE SINCE BOX SINC	SECONOLINE SEC	SIGN	Note		KEW	241.00	REINF.	393	609	705	41B	637	730	983	1400	442	999	756	1011	1432	467	693	782	1039	1464	1904	515	749	633	1093	1528	1978	2117	3352	804	884	RbII	1591	1945	2181	3429
CONC. REINF. CONC.		State Stat	Conc. Rights Conc		: 5	2	CONC	6,4	0.8	10.2	6.8	E . 0	10.6	12.6	16.0	1.1	1.8	10,9	12.9	16,3	7.5	1.5	11,3	13.3	16.7	20.2	8.2	9.9	12.0	14.0	17,4	50.9	25.4	31.6	10.5	12,7		18.1	21.8	26, i	32,5
20. SKEW 45° SKEW 0° SKEW 15° SKEW 30° SKEW 0°	DOTATION Color REINE Color REINE COLOR REINE CONOR REINE C	Column C	No.	SING	SKEW	1	RE INF.	476	644	782	504	673	809	1106	1601	532	102	837	1137	1637	559	131	864	1169	1673	2234	612	789	920	1233	1745	2314	2482	3536	848	975	236	1817	2404	2553	3680
SEE	NET	No.	No.	٠ ا		-	\dashv					\vdash	Н	+	19.8			12.6	15.9	20.2		10.8				24.2						25.0			+		-+	_	-		\dashv
45 SECH O'S KEW 15° SKEW 30° SKEW 45° SKEW 0'S SKEW 11.8 BY 1.0 B 10.0 B 15° SKEW 11.8 BY 1.0 B 10.0 B 15° SKEW 11.8 BY 1.0 B 10.0 B 10	Conference Con	Concolor	Color Colo	×	SKEW	i ├-	-	563	774	942	595	807	974	1505	2155	626	839	1006	1544	5612	658	872	1038	1583	2242	277B	721	936	1101	1661	2329	2870	3244	4397	1001	1165	RS J L	2416	2962	3327	4488
SKEW DOUBLE BOX SKEW DOUBLE BOX SKEW DOUBLE BOX TAS BELLY CONC. REIM REIM TAS	Fig. 2006 Fig. 30 Fi	No.	See Color REINE Color		45		-	_		+-	L	-	\vdash	+	-		-	15,3		-			\vdash			-	_		17.4		_	\rightarrow	\rightarrow	51.7	+	+	+	-	\dashv	-1	\dashv
SKEW 15° SKEW 16° SKEW 2000 BLD COUNCE REING CONC. REI	SKEW 15° SKEW 30° SKEW 45° SKEW 15° SKEW 15	SKEW 15° SKEW 30° SKEW 45° SKEW 11.8 910 11.8 91	SECOND S		SKEW	5 —	_				L	_	-	╀	-	B20	L	_	2209	L	861	1065	_		_	3938		1144	Н	\dashv	-	4054	_	_	1224	+	+	4	\dashv	\dashv	\dashv
SKEW 15° SKEW 46° SKEW 00° SKE	SKEW 15° SKEW 30° SKEW 45° SKEW 0° SKEW 17° SKEW	SEEN 15° SEEN 30° SEEN 45° SEEN 11.8 910 11.8 910 11.8 910 11.9 914 14.6 1030 16.8 921 11.3 15.0 11.9 910 11.8 910 11.9 944 14.6 1030 16.8 921 11.3 15.0 11.9 19.3 19.5 19.0 19.3 19.5 19.0 19.3 19.5 19.0 19.3 19.5 19.0 19.3 19.5 19.0 19.5 19.0 19.5 19.0 19.0 19.0 19.0 19.0 19.0 19.0 19.0	SEE NOTE 15. SEE NOTE SEE N		ô	9	_			\vdash	1	\vdash	\vdash	14.8										16.4			1.2	13.2	Н	\vdash	\dashv	22.7	\rightarrow	\dashv	+	+	+	-	23.1	\dashv	-
15° KEW CONC. REINF. CONC. REINF. CONC. RINF. CONC. RINF. CONC. REINF.	15° SKEW CONC. REIM.	10.0 E SKEW 30 SKEW 45° SKEW 0° SKEW 15° SKEW 30° SKEW 15° SKEW 30° SKEW 30	15° SKEW 30° SKEW 45° SKEW 15° SKEW 15° SKEW 30° SKEW 10° SKEW 15° SKEW 30°	1	SKEW			503	726	825	909	821	917	1173							118	1045	1137	1401	1824	2267	Ξ	1348	1434	1697	2135	2587		3967	1732	1815	2086	2531	2884	3123	4373
No. Conc. REINF.	No.	No. 10 10 10 10 10 10 10 1	No. 10 10 10 10 10 10 10 1	3	15°	2	CONC.		<u></u>	\perp	9.2	10,8	13.0	15.0							10.7	12.3	14.5	16.6	21.0	23.6	12.2	13.8	16.1	18.1	21.6	25.2		36.0	15.2	17.5	9,6	23.0	26.7	1.1	37.4
BOX 30°SKEW	BOX	BOX 30° SKEW 45° SKEW 0° SKEW 15° SKEW 30° SKEW 15° SKEW 30° ONG. REINF. CONG. REINF. CONG. REINF. CONG. BEINF. CONG. BEI	BOX 30° SKEW 40° SKEW 40° SKEW 50° SKEW 50° SKEW 50° SKEW 50° SKEW 60° SKEW 6	Boone	SKEW	n L		597	767	806	689	869	1009	1310							1064	1078	1216	1525	2133	2552	1227	1396	1531	1775	2359	2935		4217	1806	1941	4	_	3396	3522	4646
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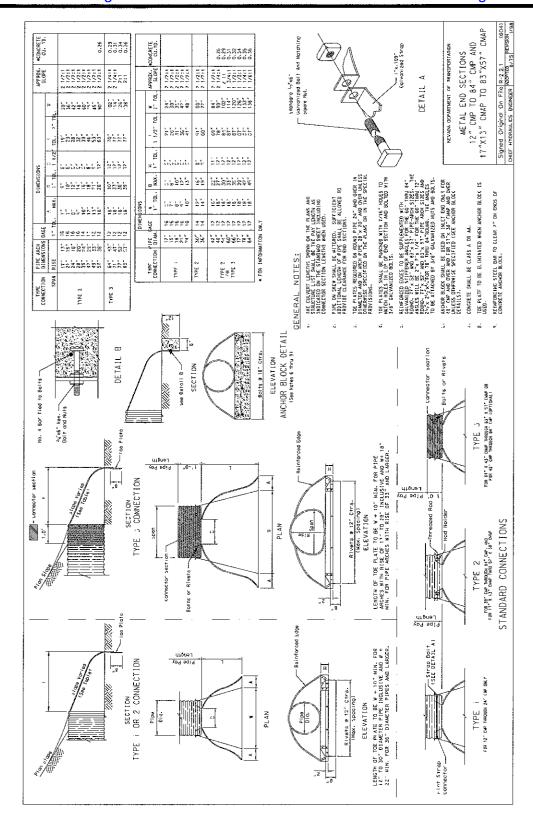


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FIGURE VII-D

DATE: 20 DEC 2005



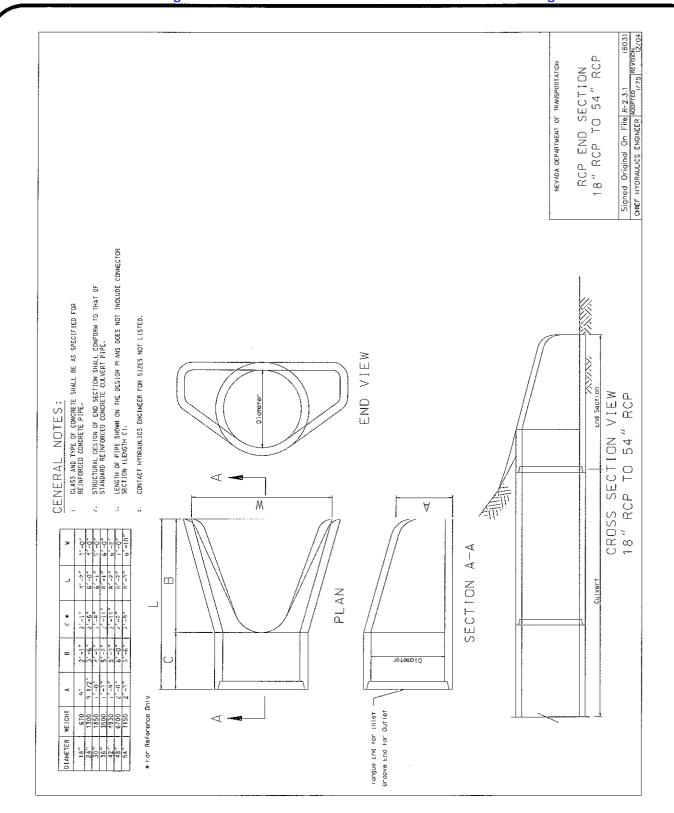


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FIGURE VII-E

DATE: 20 DEC 2005



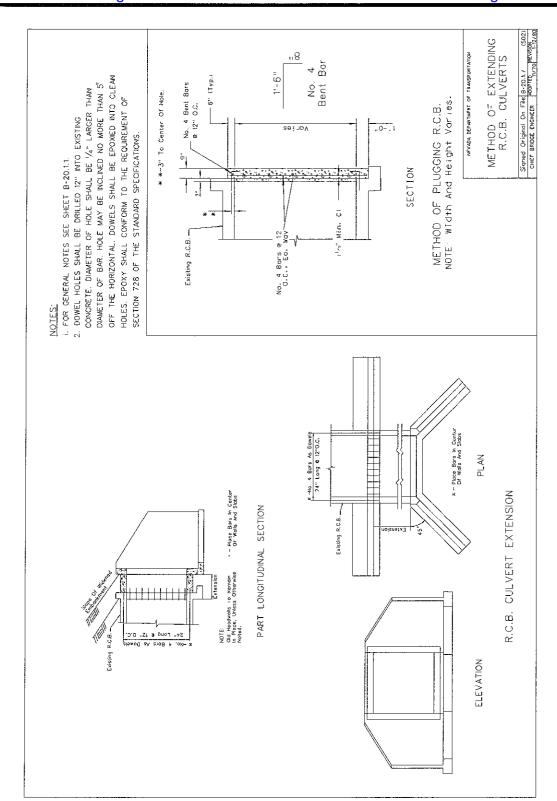


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FIGURE VII-F

DATE: 20 DEC 2005



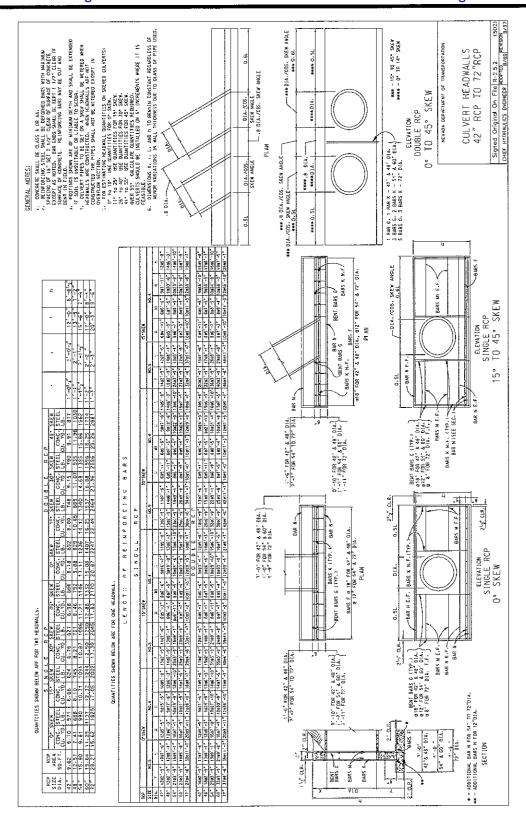


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FIGURE VII-G

DATE: 20 DEC 2005



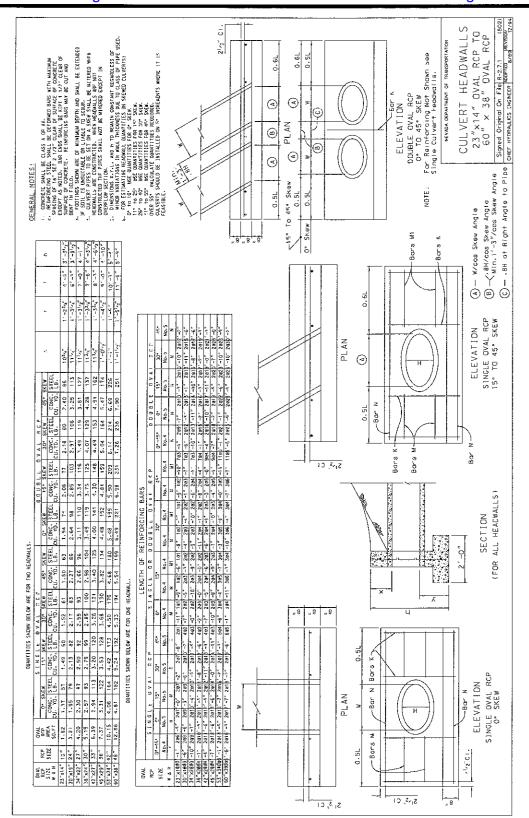


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FIGURE VII-H

DATE: 20 DEC 2005



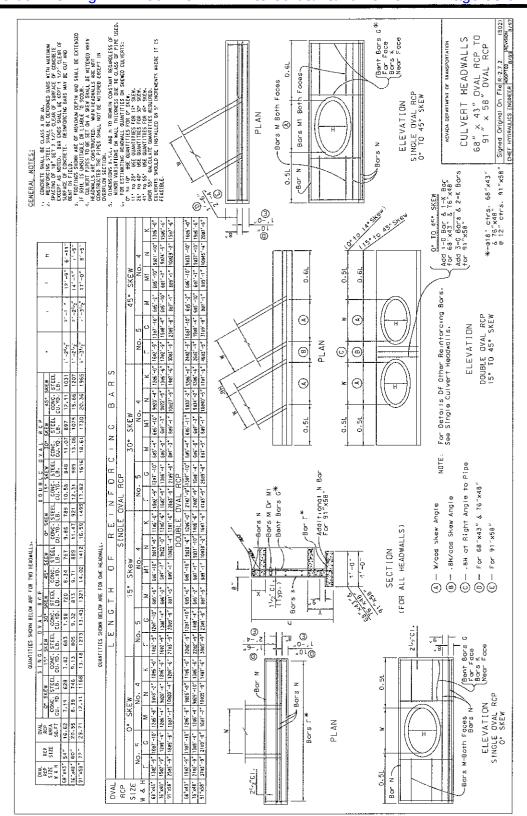


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FIGURE VII-I

DATE: 20 DEC 2005



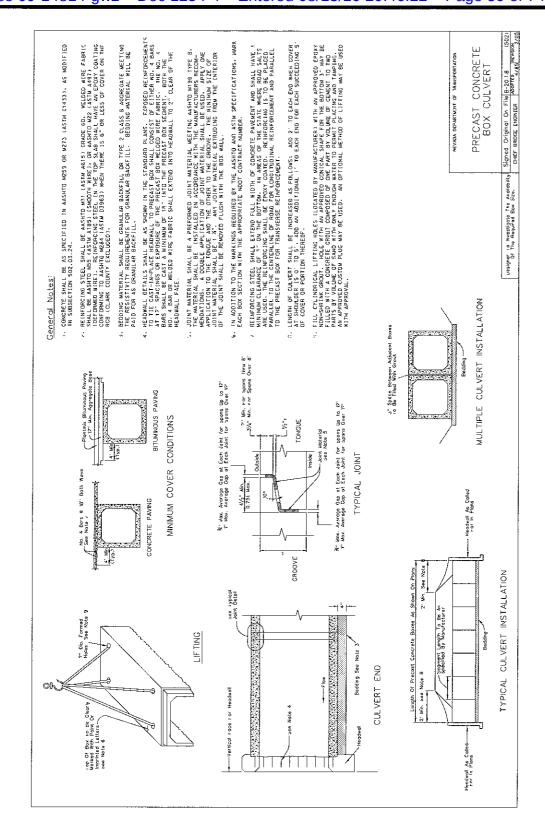


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FIGURE VII-J

DATE: 20 DEC 2005



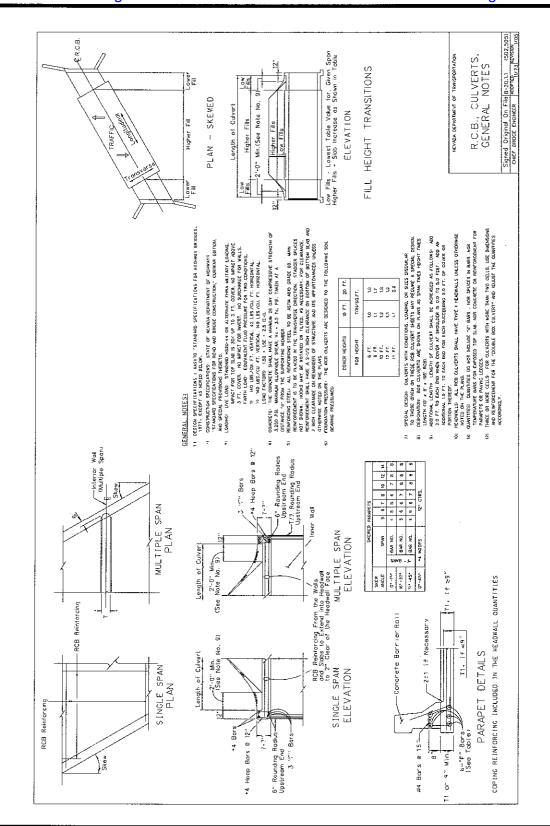


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FIGURE VII-K

DATE: 20 DEC 2005

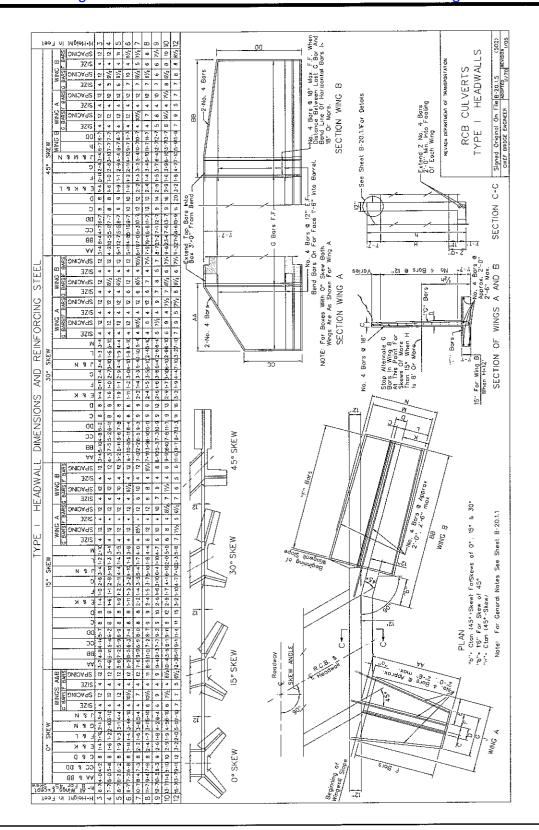




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FIGURE VII-L

DATE: 20 DEC 2005



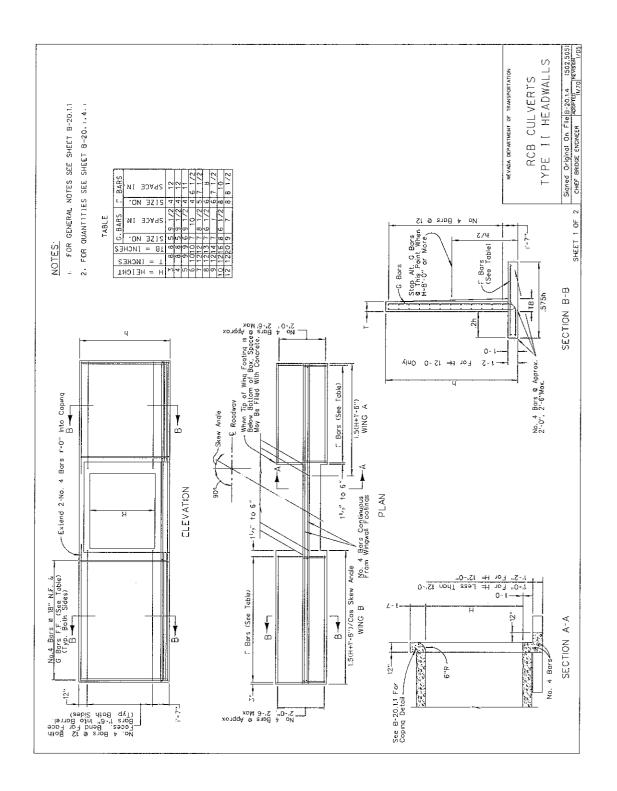


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FIGURE VII-M

DATE: 20 DEC 2005

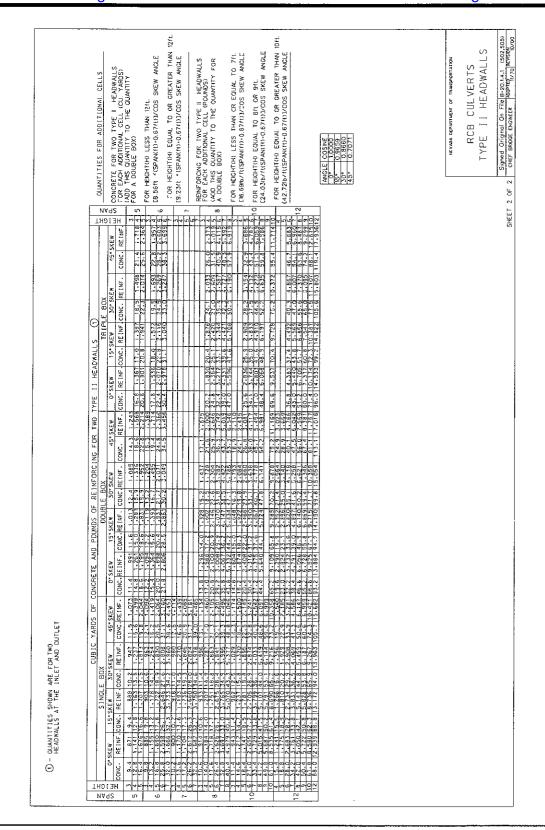




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FIGURE VII-N

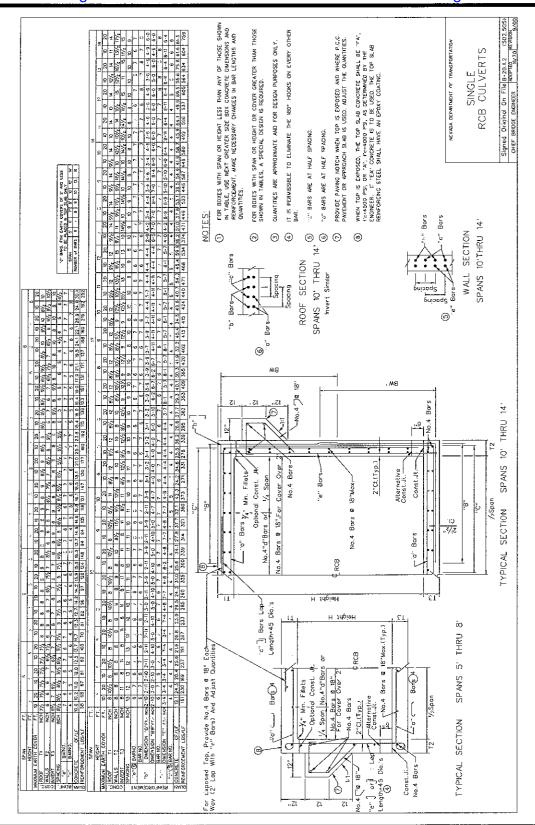




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FIGURE VII-O

DATE: 20 DEC 2005



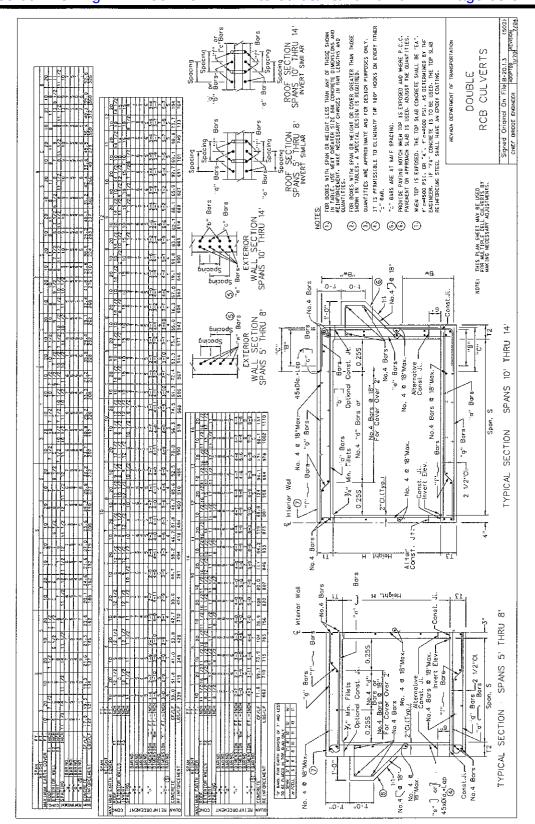


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FIGURE VII-P

DATE: 20 DEC 2005



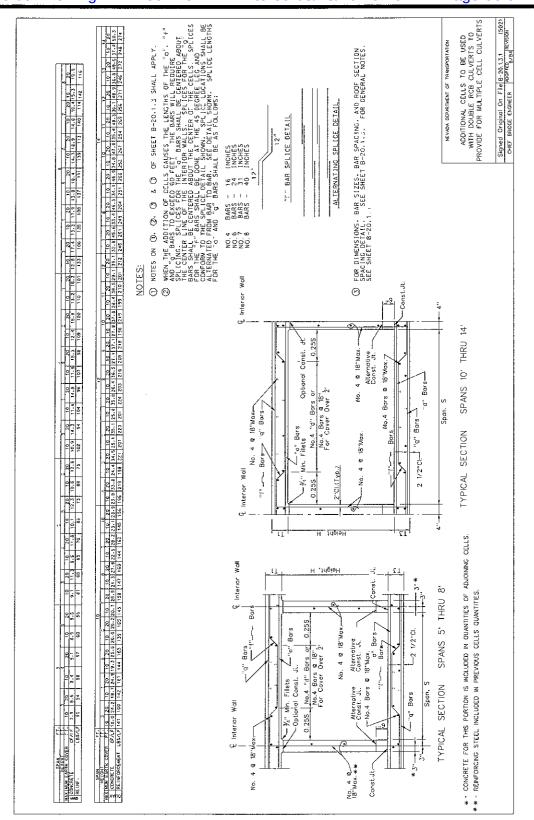


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FIGURE VII-Q

DATE: 20 DEC 2005





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FIGURE VII-R

DATE: 20 DEC 2005

HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL TOE PROTECTION COMPACTED, VEGETATED FILL 双双双 GROUND - TRENCHED TOE - MOUNDED TOE FILTER LAYER **2T 3T** (After Blodgett, 1986) Revision REFERENCE: FIGURE 705D

RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH



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FIGURE VII-S

DATE: 20 DEC 2005

HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL Riprap thickness on channel side siopes equal to 0.75A Downstream Channel CONDUIT OUTLET EROSION PROTECTION End slope at 1:i **Granular** Bedding Extend riprap to height of cuivert or one foot above normal channel depth, whichever is larger feet for riprap, 3 feet for heavy riprap. PLAN PROFILE 4:1 or flatter :1 กลุ่งานก preferred Concrete cradle/cut off, or standard headwall N u ⋖ NOTE: or D Dota Revision REFERENCE: WRC FIGURE 711 USDCM, DRCOG, March 1969 (with modifications) ENGINEERING

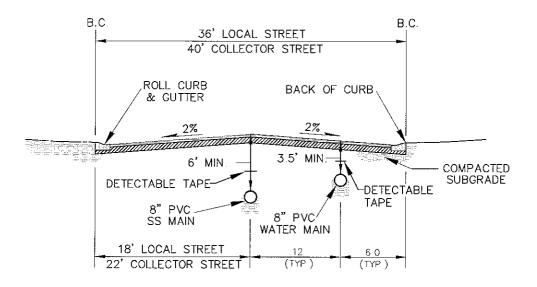
RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH



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FIGURE VII-T



TYPICAL WATER AND SS MAIN LINE SECTION

N.T.S. NOTE:

INSTALL M.A.G. STANDARD DETECTABLE LOCATOR TAPE OR PLASTIC COATED (BLUE FOR WATER AND GREEN FOR SEWER) #8 WIRE FOR ALL WATER AND SEWER LINES

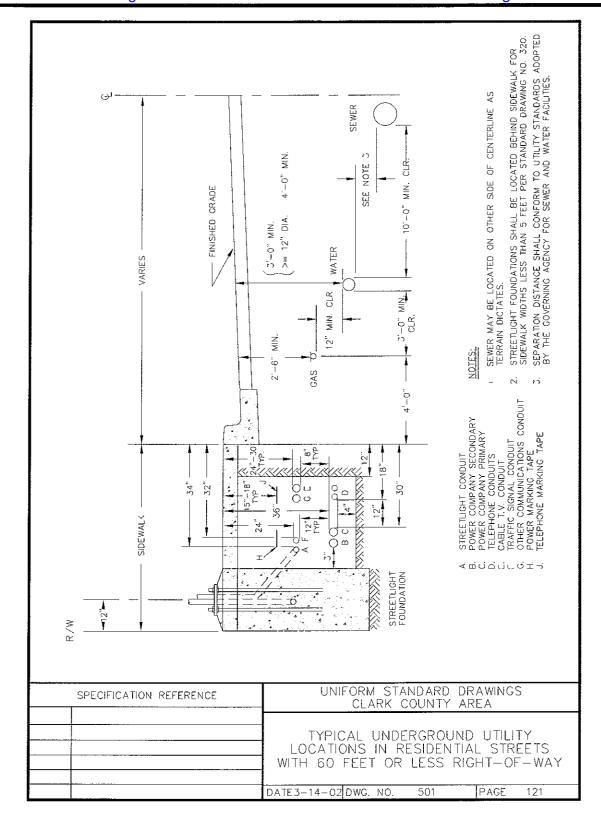
RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH



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FIGURE VIII-A-1

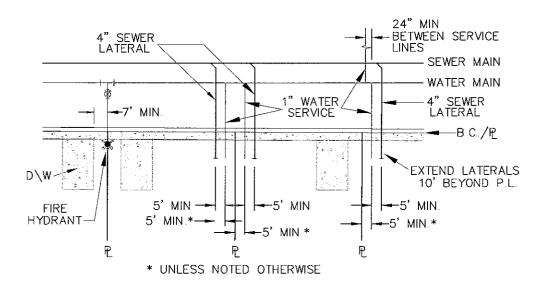




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FIGURE VIII-A-2



TYPICAL WATER AND SS LATERALS

RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH

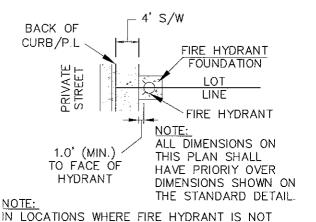


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FIGURE VIII-A-3

DATE: 20 DEC 2005



TO BE 3' FROM BACK OF CURB.

FIRE HYDRANT LOCATION

ADJACENT TO A SIDEWALK, FACE OF HYDRANT

RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH



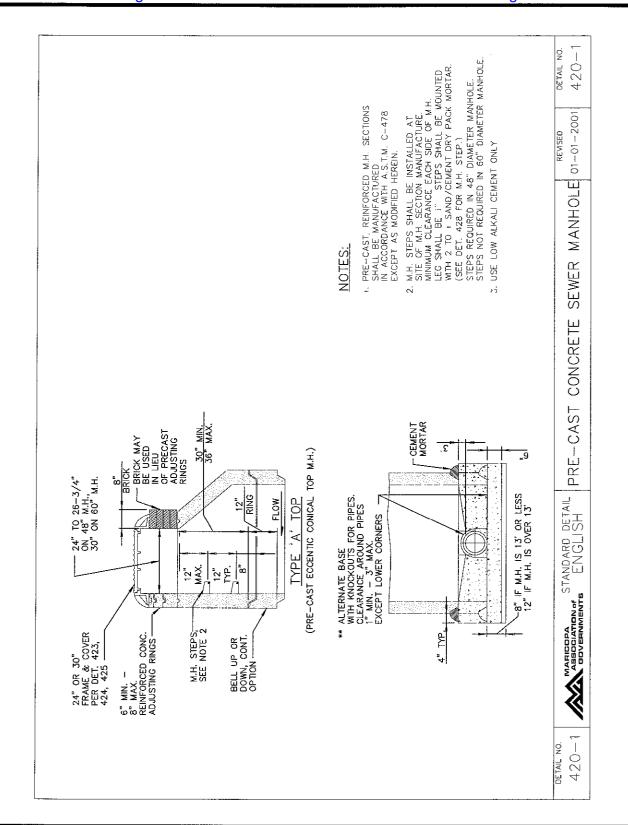
Stanley Consultants INC. 5820 S. EASTERN AVENUE, SUITE 200

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793

N T.S.

SCALE: NOT TO SCALE

FIGURE VIII-A-4



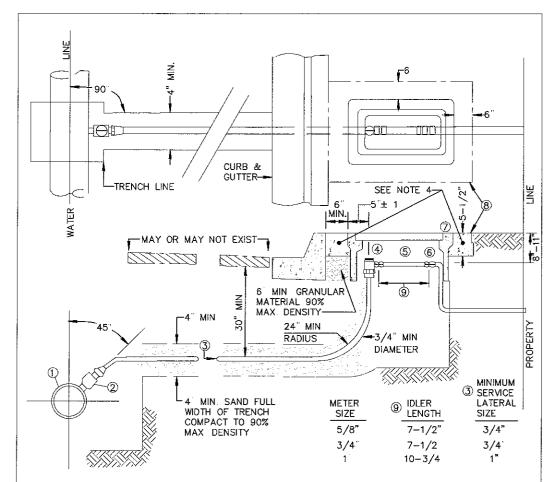


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SCALE: NOT TO SCALE

FIGURE VIII-B

DATE: 20 DEC 2005



<u>LEGEND</u>

- THREADED COLLAR OR DOUBLE
 STRAP BRONZE SERVICE SADDLE
- 2 CORPORATE STOP
- POLYETHYLENE OR COPPER SERVICE LATERAL (SEE NOTE 5)
- 4 ANGLE METER STOP (SEE NOTE 1)
- ⑤ IDLER
- 6 90" TAIL PIECE COUPLING
- Ø METER BOX
- (8) CONCRETE COLLAR, 2500 PSI COMPRESSIVE STRENGTH

<u>NOTES</u>

- 1. 5/8*, 3/4", AND 1' REQUIRES BALL ANGLE METER STOP.
- 2. LOCATOR TAPE REQUIRED ABOVE SERVICE LINE IF OTHER THAN 90° OFF WATER MAIN
- 3. TOP OF METER BOX TO BE INSTALLED AS NEAR TO FUTURE FINAL GRADE AS POSSIBLE
- 4. REINFORCEMENT AROUND METER BOX
- 5 WHEN COPPER SERVICE LATERALS ARE USED, FLARED COPPER FITTINGS AND CONNECTIONS ARE REQUIRED

WATER SERVICE INSTALLATION 5/8", 3/4", 1" METER SIZES UNIMPROVED AREA

RHODES HOMES ARIZONA, LLC GOLDEN VALLEY RANCH



Stanley Consultants INC.

5820 S. EASTERN AVENUE, SUITE 200 LAS VEGAS NEVADA 89119 (702) 369-9396 Fax (702) 369-9793 SCALE: NOT TO SCALE

FIGURE VIII-C

DATE: 20 DEC 2005